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A Chesapeake Bay Directory

Chesapeake Research Consortium, Inc, Baltimore, Md

Prepared for

Environmental Protection Agency, Philadelphia, Pa

Feb 78

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Chesapeake Research Consortium, Incorporated

A CHESAPEAKE BAY DIRECTORY

FEBRUARY 1978

PREPARED FOR
THE CHESAPEAKE BAY PROGRAM
U. S. ENVIRONMENTAL PROTECTION AGENCY
REGION III

CRC

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This is a Directory of academic researchers, administrators, institutions, agencies, and environmental interest organizations that have a current role in regulating, monitoring or researching the water quality of the Chesapeake Bay.

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A CHESAPEAKE BAY DIRECTORY

Prepared for

The Chesapeake Bay Program
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United States Environmental Protection Agency
6th and Walnut Streets
Philadelphia, Pennsylvania
Contract No. 68-01-3994

by

Chesapeake Research Consortium, Incorporated

University of Maryland
Center for Environmental and Estuarine Studies
Andrew J. McErlean
Karen A. Rutledge

Virginia Institute of Marine Science
Maurice P. Lynch
Thomas Lochen

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ABSTRACT

This directory is the updated version of the Mitre Corporation directory compiled in September 1976 for the staff of the Chesapeake Bay Program, Region III, Environmental Protection Agency. It identifies, by name, address, and telephone number, academic researchers, administrators, institutions, agencies, interest groups, consulting organizations, and other entities concerned with the water quality of the Chesapeake Bay and related water matters. It is current as of February 1978 and should be revised periodically to incorporate changes in personnel and organization structure.

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1.0 INTRODUCTION

1.1 Content, Purpose and Use of Directory

This volume is a directory of academic researchers, administrators, institutions, agencies, and other organizations that play an active role in regulating, monitoring, or studying the water quality of the Chesapeake Bay, or which exhibit an interest in the quality of the Bay. The directory may be used as a companion to A Chesapeake Bay Review: Research and Responsibilities Volume I prepared by the Mitre Corporation for acquiring mailing addresses or as a telephone directory.

This directory was prepared for the United States Environmental Protection Agency Region III as a part of The Chesapeake Bay Program. It partially fulfills obligations for the "Baseline Data Acquisition" project, contract number 68-01-3994.

1.2 Sources and Limitations of Information

The information in this directory is an updated version of that in A Chesapeake Bay Review: Research and Responsibilities Volume II published in September 1976 by the Mitre Corporation. The listings were confirmed or updated with information obtained through mailings or by telephone conversations with administrators or scientists representing each organization in the directory.

In the Mitre report the academic institutions and researchers actively engaged in research on the Bay (graduate students not included) were compiled from information contained in a 1972 inventory of estuarine scientists prepared by the Chesapeake Research Consortium, Inc. (Kerby and McErlean, 1972; Cohen and McErlean, 1972) and from recommendations by various researchers and administrators.

Various directories were utilized at the start of the Mitre project to obtain information concerning governmental agencies (Cross and Hennington, 1974; Decker, 1975; Kerbec, 1974; The Onyx Group, Inc., 1974). The listings of governmental agencies contained within this directory were originally compiled from information obtained directly from these agencies.

The listing of interest groups and consulting organizations in the Bay area was compiled from various environmental and consulting directories (Cross and Hennington, 1974; Decker, 1975; The Onyx Group, Inc., 1974) and from mailing addresses provided by various agencies. A few consultants who have mailing addresses outside of the Bay area were included because they have been identified by various governmental agencies or reports as having performed studies on the Bay or are interested in performing contractual studies on the Bay.

Owing to the time period assigned for the updating of this directory, it was not possible to identify every organizational unit having interest in the Bay. Many quasi-governmental units, especially at the local and county levels of organization which receive subsidies for land use planning, coastal zone management planning, mosquito control, or erosion control may be absent from this report.

Although current through 1 February 1978, the information contained within should be revised, updated, and expanded periodically to reflect changes in personnel and organizational structure. This is particularly relevant to the various governmental agencies which are undergoing reorganization.

2.0 ACADEMIC INSTITUTIONS

2.1 American University
Washington, D. C. 20016

(202) 686-2000

Department of Biology
(202) 686-2177

Anderson, Richard R. (Prof.)
- wetlands, remote sensing

Banta, William (Director of Marine Science Program)
- bryozoans, wetlands

Champ, Michael (Prof.)
- water pollution

2.2 Anne Arundel Community College
101 College Parkway
Arnold, Maryland 21012

(301) 647-7100

Department of Biology

Gemignani, Hugo G. (Prof.)
- estuarine biota

Suman, Theodore (Prof.)
- entomology of areas adjacent to Bay

Williams, David H. (Prof.)
- plankton, plant taxonomy and anatomy

Department of Ocean Engineering Technology

Gucinski, Hermann (Prof.)
- oceanography, training of marine technicians, ocean dumping

Stibolt, Kenneth A. (Prof.)
- oceanography, training of marine technicians, marine education

2.3 Charles County Community College
Box 910
Mitchell Road
La Plata, Maryland 20646

(301) 934-2251

Division of Biological Sciences

Jensen, Belva (Director)
- environmental planning, energy resources

Department of Estuarine Resource Technology

Poe, Thomas (Prof.)
- training of estuarine research technicians, chairman of Benedict Station

Pollution Abatement Technology Department
Ext. 217

Engel, William T. (Chairman)
- manager for St. Charles lagoon nutrient research project

2.4 Chesapeake College
Wye Mills, Maryland 21679

(301) 758-1537

Department of Science and Mathematics

Shepherd, John (Asst. Prof.)
- conducts instructional field trips for ecology course

Wieland, Tom (Instructor)
- marine ecology

2.5 Christopher Newport College
50 Shoe Lane
P. O. Box 6070
Newport News, Virginia 23606

(804) 599-7000

Department of Biology, Marine Science Section
(804) 599-7062

Cones, Harold Nelson, Jr. (Prof.)
- marine jellyfish

Mollick, Ronald S. (Prof.)
- benthic invertebrate ecology

Wise, E. Spencer (Prof.)
- wetlands ecology, coastal zoning, submerged aquatic vegetation
- Citizen Representative - Submerged Aquatic Vegetation Group for Citizen's Committee for Chesapeake Bay

2.6 University of Delaware
Newark, Delaware 19711

(302) 738-2000

College of Marine Studies
Lewes Complex
Lewes, Delaware 19958

(302) 645-4211

Price, Kent S. (Assoc. Dean and Director)

College of Marine Studies
Robinson Hall
Newark, Delaware 19711

(302) 738-2841

Gaither, William S. (Dean)

Biggs, Robert B. (Asst. Dean)

Daiber, Franklin C. (Prof.)
(302) 738-1212
- fish movements in the Chesapeake and Delaware Canal
- participated in a FWS Permit Review study

Lotrich, Victor A. (Prof.)
(302) 738-2276
- ecological aspects of the Chesapeake and Delaware Canal

2.7 Federal City College
Department of Biology
1331 H Street, N. W.
Washington, D. C. 20005

(202) 727-2743

Phelps, Harriet (Assoc. Prof.)
- heavy metals, chelation and adsorption of cadmium by shellfish

2.8 George Washington University
2121 I Street
Washington, D. C. 20052

(202) 676-6000

Department of Biology
(202) 676-6090

Hufford, Terry (Prof.)
- algae, freshwater diatoms

Knowlton, Robert (Prof.)
- marine biology

Merchant, Henry (Prof.)
- aquatic ecology

Department of Chemistry
(202) 676-6121

Caress, Edward (Prof. and Asst. Dean of Graduate Studies)
- organic chemical analysis

Rowley, David (Prof. and Asst. Dean of Graduate Studies)
- inorganic chemical analysis

School of Engineering and Applied Science
Department of Civil, Mechanical and Environmental Engineering
(202) 676-6749

Fox, R. (Prof.)
- soil mechanics

Department of Geology
(202) 676-6190

Seigel, Frederick (Prof.-Chairman)
- geochemistry, sediment analysis, algae blooms

2.7 Federal City College
Department of Biology
1331 H Street, N. W.
Washington, D. C. 20005

(202) 727-2743

Phelps, Harriet (Assoc. Prof.)
- heavy metals, chelation and adsorption of cadmium by shellfish

2.8 George Washington University
2121 I Street
Washington, D. C. 20052

(202) 676-6000

Department of Biology
(202) 676-6090

Hufford, Terry (Prof.)
- algae, freshwater diatoms

Knowlton, Robert (Prof.)
- marine biology

Merchant, Henry (Prof.)
- aquatic ecology

Department of Chemistry
(202) 676-6121

Caress, Edward (Prof. and Asst. Dean of Graduate Studies)
- organic chemical analysis

Rowley, David (Prof. and Asst. Dean of Graduate Studies)
- inorganic chemical analysis

School of Engineering and Applied Science
Department of Civil, Mechanical and Environmental Engineering
(202) 676-6749

Fox, R. (Prof.)
- soil mechanics

Department of Geology
(202) 676-6190

Seigel, Frederick (Prof.-Chairman)
- geochemistry, sediment analysis, algae blooms

2.9 Georgetown University
37th and O Street, N. W.
Washington,D. C. 20057

(202) 625-0100

Department of Biology
(202) 625-4126

Chapman, George Bunker (Prof.-Chairman)
- cell biology, electron microscopy

Blanquet, R. S. (Prof.)
- invertebrate physiology

Chen, Peter K. (Prof.)
- fish diseases, immunology

Spoon, Donald M. (Prof.)
- protozoans and pollutants in the Potomac River

Sze, Philip (Prof.)
- phycology

2.10 Goucher College
Dulaney Valley Road
Towson, Maryland 21204

(301) 825-3300

Johnson, William (Prof.)
- ecology and marine biology

Webb, H. Marguerite (Prof.)
- biological rhythms

2.11 Hood College
Rosemount Avenue
Frederick, Maryland 21701

(301) 663-3131

Department of Biology

Gilford, James H. (Prof.-Chairman)
- aquatic ecology

2.12 Johns Hopkins University
34th and Charles Streets
Baltimore, Maryland 21218

(301) 338-8000

Applied Physics Laboratory
John Hopkins Road
Laurel, Maryland 20810

(301) 953-7100

Schulz, A. G. (Asst. Director for Planning)
- power plant siting evaluation

Eberhart, Russell (Section Supervisor)
- power plant siting evaluation

Kohlenstein, Lawrence C. (Asst. Group Supervisor)
- power plant siting evaluation

Moon, Milton (Project Supervisor)
- power plant siting evaluation

Portner, Edward (Project Engineer)
- power plant siting evaluation

Chesapeake Bay Institute
(301) 338-8255

Gross, M. Grant (Director)
- sediments and wastes in coastal and ocean environment, urban effects in ocean
- Trustee, Chesapeake Research Consortium
- Member, Chesapeake Bay Foundation
- Member, Sea Grant Advisory Board

Taylor, W. Rowland (Asst. Director for Research)
- estuarine biological and chemical oceanography

Pritchard, Donald W. (Principal Chief Scientist)
- dynamics and kinematics of estuarine circulation

Boicourt, William C. (Assoc. Research Scientist)
- physical oceanography, circulation and mixing

Cronin, Bill (Staff Oceanographer)
- field oceanography

Eaton, Andrew (Assoc. Research Scientist)
- marine geochemistry

Ferri, Kenneth (Staff Chemist)
- analytical chemistry of sea water

Grant, Virginia E. (Staff Chemist)
- biogeochemistry of trace metals in the Bay

Heinbokel, John (Assoc. Research Scientist)
- zooplankton

Karweit, Michael J. (Research Scientist)
- fluid mechanics

Miller, Paul E. (Asst. Research Scientist)
- biological aspects of power plant siting

Najarian, Tavit (Assoc. Research Scientist)
- physical oceanography, mathematical modeling

Otto, Robert G. (Assoc. Research Scientist)
- bioassay, experimental ecology and environmental physiology of fishes

Rives, Stephen R. (Staff Oceanographer)
- hydrography, power plant siting evaluation

Schiemer, Edmund W. (Research Engineer)
- instrumentation,littoral drift

Taft, Jay L. (Research Scientist)
- phytoplankton physiology, phosphorus distribution in the Bay

Tyler, Mary (Assoc. Research Scientist)
- phytoplankton

Wahely, Richard (Staff Oceanographer)
- current meter observations

Wang, Dong-Ping (Assoc. Research Scientist)
- mathematical modeling of estuarine and oceanographic processes

Chesapeake Bay Institute Field Station
313 Third Street
Annapolis, Maryland 21403

(301) 268-5231 or
268-0281

(Some of the above scientists work out of this field station)

Department of Biology
(301) 338-7330

Powers, Dennis (Asst. Prof.)
- biochemical genetics of fish populations

Seliger, Howard (Prof.)
- phytoplankton

Department of Earth and Planetary Sciences
(301) 338-7035

Phillips, Owen M. (Chairman)
- geophysics, waves and turbulence

Jackson, Jeremy (Assoc. Prof.)
- aquatic ecology

Woodin, Sarah (Asst. Prof.)
- benthic ecology

Department of Geography and Environmental Engineering
(301) 338-7092

Wolman, M. G. (Chairman)
- environmental engineering, urban and land runoff, water quality

Boland, John (Assoc. Prof.)
- economics of and resource uses of power plant siting, coastal zone management

Brush, Lucin M. (Prof.)
- nutrient loading, water quality management, power plant siting

Chamberlin, Charles (Asst. Prof.)
- water quality management, wastewater loading

Cohen, Jared (Assoc. Prof.)
- water quality modeling, Potomac River studies

Re Velle, Charles (Prof.)
- water quality modeling, Potomac River studies

School of Hygiene and Public Health
615 North Wolfe Street
Baltimore, Maryland 21218

(301) 955-5000

Department of Environmental Health Science
Division of Toxicology
(301) 955-3045

Frazier, John M. (Prof.)
- toxic substances

Department of Pathobiology
(301) 955-3604

Sladen, William J. L. (Prof.)
- winter waterfowl populations (geese, swans)

Southwick, Charles (Prof.)
- aquatic vegetation, fish and water quality in the Baltimore Harbor

2.13 Longwood College
Farmville, Virginia 23901

(804) 392-9291

Department of Natural Sciences
(804) 392-9351

Batts, Billy S. (Assoc. Prof.)
(804) 392-9353 - fisheries, marine ecology

Harvill, Alton M. (Prof.)
- botany of the Bay

2.14 Mary Washington College
Fredericksburg, Virginia 22401

(703) 373-7250

Department of Biology

Bass, M. L. (Prof.)
- aquatic ecology, fisheries, aquatic entomology, fish toxicology

Pinschmidt, W. (Prof.)
- marine biology, animal ecology, invertebrate zoology

2.15 University of Maryland

University of Maryland at Baltimore (UMAB)

Law School
500 W. Baltimore Street
Baltimore, Maryland 21201

(301) 528-7214

Power, Garrett (Prof.)
- environmental law, coastal zone planning

School of Medicine
31 S. Greene Street
Baltimore, Maryland 21201

(301) 528-7410

Division of Dermatology
(301) 528-5766

Burnett, Joseph W. (M.D.)
- toxicology of venomous animals in Bay, study of toxins from dinoflagellates and causes of fish kills

Calton, Gary J. (Prof.)
- toxicology of venomous animals in Bay, study of toxins from dinoflagellates and causes of fish kills

Department of Pathology
(301) 528-7070

Trump, Benjamin F., M.D. (Chairman)
- fish pathology, fish toxicology carcinogenesis in fish

Heatfield, Barry M. (Asst. Prof.)
- neoplasia and phagocytosis in bivalves

Jones, Raymond T. (Asst. Prof.)
- fish pathology, fish toxicology, carcinogenesis in fish

Kahng, Myong W. (Asst. Prof.)
- energy metabolism in marine organisms, effects of pollutants on microsomal enzymes

Kaiser, Hans E. (Asst. Prof.)
- invertebrate toxicology

Department of Pharmacognosy
(301) 528-7515

Blomster, Ralph (Prof.)
- biotransformation of fungi and pesticides

Speedie, Marylan (Asst. Prof.)
- biotransformation of fungi and pesticides

University of Maryland, Baltimore County, (UMBC)

Department of Biological Sciences
Catonsville, Maryland 21228

(301) 455-2297

Bradley, Brian (Assoc. Prof.)
- estuarine copepods

Burchard, Robert P. (Prof.)
- ecology of estuarine microorganisms

Department of Political Science
5401 Wilkens Avenue
Baltimore, Maryland 21228

(301) 455-2568

Milsten, Donald E. (Prof.)
- member of Panel on Public Policy on Nuclear Energy for Electricity Generation, regulation of pollution control, coastal zone management

(Dr. Milsten is on leave through July, 1979 and is currently Director of the Maryland Energy Policy Office. He can be contacted at):
Suite 1302
301 W. Preston Street
Baltimore, Maryland 21201
(301) 383-6810

University of Maryland, Central Administration (UMCA)
College Park, Maryland 20742

(301) 454-0100

Sparks, David S. (Interim Vice President for Graduate Studies and Research)
- Sea Grant Program
- Trustee, Chesapeake Research Consortium

University of Maryland, Center for Environmental and Estuarine Studies (UMCEES)

Administrative Office
P.O. Box 775
Horn Point Road
Cambridge, Maryland 21613

(301) 228-9250

Wagner, Peter E. (Director)
- environmental policy, as related to impact of human activities on the Bay environment and the scientific basis for public decisions concerning Bay areas

McErlean, Andrew (Assoc. Director of Research)
- research administration, multi-institutional cooperative studies, estuarine pollution ecology

Winn, Paul N., Jr. (Assoc. Director for Administration)
- business personnel and capital budget management

Billings, Gloria (Agent in Charge of Public Affairs)
- center public relations including editing and design of publications, media relations, special events, advising laboratories and scientists on public relations matters, and providing Center archive services

Appalachian Environmental Laboratory
Frostburg State College Campus
Gunter Hall
University of Maryland
Frostburg, Maryland 21532

(301) 689-3115

Chapman, Joseph A. (Assoc. Prof. and Head)
- wildlife biology and ecology, terrestrial ecosystems, game

and non-game research, management programming for mammals, home range and density studies, mammalian reproductive physiology, biology of introduced mammals

Dixon, Kenneth R. (Asst. Prof.)
- mathematical modeling and computer simulation of ecosystems and wildlife populations, research on prediction of long-term effects of man's perturbation of natural ecosystems, predator-prey relationships, wildlife population dynamics

Feldhamer, George A. (Research Assoc.)
- big game biology and management, wildlife habitat measurements and evaluation, wildlife population analyses including the effects of vegetative and edaphic parameters on wildlife distribution and abundance

Fuller, Kent B. (Senior Agent)
- resource education and planning, public relations and information and education programming, environmental and outdoor education, community services and media coordination

Gates, Edward J. (Asst. Prof.)
- wildlife biology and management, habitat selection and analyses, population and community ecology, upland game and non-game research, plant systematics and ecology

Harman, Dan M. (Assoc. Prof.)
- forestry and forest entomology, forest insect bio-ecology, insect behavior and morphology, forest management practices, freshwater macroinvertebrate research

Hocutt, Charles H. (Asst. Prof.)
- ecology of freshwater ecosystems, biology of fishes and macroinvertebrates, fish and aquatic invertebrate taxonomy, behavior, toxicity and thermal research, pollution of aquatic systems

Mitsch, William J. (Asst. Prof.)
- environmental and mechanical engineering sciences, disturbed aquatic and terrestrial systems ecology, ecosystem modeling and planning, aquatic and terrestrial ecosystems energetics, aquatic ecology

Mosher, James A. (Asst. Prof.)
- avian biology and ecology, game and non-game research, ecology and biology of birds of prey, physiological ecology and bioenergetics

Stauffer, Jay R., Jr. (Asst. Prof.)
- ecology of freshwater ecosystems, biology of fishes and macroinvertebrates, fish and aquatic invertebrate taxonomy, pollution of aquatic systems

Willner, Gale R. (Faculty Research Asst.)
- wildlife biology and ecology, aquatic furbearers, reproductive physiology and habitat analysis, marsh ecology and management, wildlife laboratory techniques and procedures

College Park Field Station
8905 Azalea Lane
College Park, Maryland 20742

(301) 454-5641

Flyger, Vagn (Prof.)
- waterfowl and aquatic mammals, wildlife sanctuaries, endangered wildlife

Genys, John B. (Prof.)
- near-Bay trees, tree improvement, water temperature, ground water levels

Tsai, Chu-Fai(Prof.)
- fishery biology,effects of pollution on fish

Chesapeake Biological Laboratory
P.O. Box 38
Solomons, Maryland 20688

(301) 326-4281

Cooney, Joseph J. (Prof. and Head)
- microbial physiology and ecology, metabolism of hydrocarbons, photokilling of bacteria, microbial transformations of metals

Reber, Michael J. (Asst. to the Head of Laboratory)
- operations and administration, biological photographer, photographs of Bay organisms

Beaven, M. Linton (Sr. Faculty Research Asst.)
- nuclear power plant impacts on primary production, nuclear power plant entrainment study

Beaven, Melvin S. (Faculty Research Asst.)
- stomach analysis of striped bass, zooplankton toxicology, ichthyoplankton analysis

Boynton, Walter R. (Asst. Prof.)
- regional modeling of estuarine, urban, and terrestrial ecosystems, phytoplankton production, detritus utilization, and nutrient cycling

Bradford, Richard H., Jr. (Faculty Research Asst.)
- pollution ecology

Cargo, David G. (Research Assoc.)
- estuarine ecology of benthic invertebrates, biology and control of sea nettles

Cole, Marthe A. (Faculty Research Asst.)
- aquatic microbiology

D'Elia, Christopher F. (Asst. Prof.)
- nutrient dynamics and energetics of marine ecosystems, phytoplankton, invertebrate symbiosis, coral reef ecology, aquaculture

Drobeck, Klaus G. (Faculty Research Asst.)
- aquatic microbiology

Dunnington, Elgin A. (Research Assoc.)
- research vessel design and operation, shellfish biology

Heinle, Donald R. (Assoc. Prof.)
- ecology of zooplankton energy transfer

Hiegel, Martha H. (Sr. Faculty Research Asst.)
- benthic invertebrates

Homer, Mark L. (Faculty Research Asst.)
- systems analysis, finfish biology and ecology

Jones, Philip W. (Faculty Research Asst.)
- water quality, productivity

Kaumeyer, Kenneth R. (Faculty Research Asst.)
- benthic sampling and analysis of benthic community structure, underwater caging experiments to determine benthic predation patterns, benthic metabolism experiments and chemical analysis of seawater

Koo, Ted S. Y. (Prof.)
- fishes, fish eggs, and larvae, thermal impacts, sewage-aquaculture, Sea Grant Program Development

Lubbers, Lawrence III (Faculty Research Asst.)
- biological impacts of steam electric stations

Lunsford, H. Robert, Jr. (Faculty Research Asst.)
- Patuxent River finfish survey

Martin, F. Douglas (Asst. Prof.)
- fish egg and larval systematics, ecology of larval and juvenile fishes

Mihursky, Joseph A. (Prof.)
- pollution ecology, thermal discharges, temperature effects on biota, impacts of regional planning decisions, estuarine community dynamics

Millsaps, Harold S., Jr. (Sr. Faculty Research Asst.)
- power plant entrainment of zooplankton

Mountford, Nancy K. (Sr. Faculty Research Asst.)
- benthic invertebrates

Osborne, Carl G. (Faculty Research Asst.)
- benthic and water column metabolism, pollution biology

Pfitzenmeyer, Hayes T. (Research Assoc.)
- benthic invertebrate ecology, shellfish biology and management

Rawls, Charles K. (Agent)
- communication of information, wetlands ecology, waterfowl food habits studies

Roosenburg, Willem H. (Faculty Research Asst.)
- biology and toxicology of shellfish

Rosenkranz, Ann M. (Faculty Research Asst.)
- biology and toxicology of shellfish

Setzler, Eileen M. (Research Assoc.)
- ichthyoplankton, population dynamics and ecology, utilization of estuarine nursery areas

Shelton, Diane G. (Faculty Research Asst.)
- pollution ecology

Smucker, Richard A. (Research Assoc.)
- physiology and cytology of aquatic microorganisms, scanning and transmission electron microscopy

Sprague, Victor (Prof.)
- protozoan diseases and disease agents

Ulanowicz, Robert E. (Assoc. Prof.)
- modeling of mass flows, hydrographic modeling applied to impact of electrical generation facilities

Wiley, Martin L. (Asst. Prof.)
- fishery biology, impacts of underwater explosions
- Managing Editor, ESTUARIES and Estuarine Research Federation

Wilson, John S. (Faculty Research Asst.)
- fishery biology, computer systems

Wood, Kathryn (Faculty Research Asst.)
- ecology, impacts of pollution and power plants on ichthyoplankton and adult fishes

Zion, Henry H. (Faculty Research Asst.)
- ichthyoplankton and finfish biology

Horn Point Environmental Laboratories
P.O. Box 775
Horn Point Road
Cambridge, Maryland 21613

(301) 228-8200

Sulkin, Stephen D. (Assoc. Prof. and Head)
- ecology of blue crab, development of marine and estuarine invertebrates, larval ecology, physiology

Baptist, Garry (Biologist I)
- algal culture

Fisher, Thomas R. (Asst. Prof.)
- nutrient dynamics

Hampp, Charles (Faculty Research Asst.)
- nutrient analysis and computer programming

Johnston, Michael (Faculty Research Asst.)
- recolonization patterns in areas altered by dredging and spoil dispersal

Kemp, William M. (Asst. Prof.)
- systems ecology

Kennedy, Victor S. (Asst. Prof.)
- benthic ecology, oyster reproduction and settlement

Krantz, George E. (Assoc. Prof.)
- shellfish biology, diseases of finfish and estuarine organisms, hatchery techniques

Krantz, Lucretia (Faculty Research Asst.)
- shellfish histology

Lane, Lois C. (Biologist I)
- water analysis

Lee, Henry (Post Doctoral Fellow)
- benthic ecology

Lomax, Kenneth M. (Asst. Prof.)
- wastewater treatment and disposal, aquacultural engineering, diffuse sources of pollution

Lomax, Nancy (Faculty Research Asst.)
- microbiology

Meritt, Donald (Biologist II)
- shellfish biology and waterfowl ecology with special interest in hybridization

Miller, Robert E. (Biologist III)
- ecology of blue crab

Pemberton, Dixie Ann (Assoc. Prof.)
- conservation education

Price, Daniel (Faculty Research Asst.)
- diffuse sources of pollution

Smawley, Donna (Faculty Research Asst.)
- oyster biology and invertebrate ecology

Stevenson, J. Court (Asst. Prof.)
- marsh ecology, diffuse source nutrient and pollution loading by terrestrial and aquatic systems

Tatro, Mahlon C. (Assoc. Prof.)
- environmental information

Van Heukelem, William (Post Doctoral Research Assoc.)
- significance of spawning stock to recruitment of blue crabs

Marine Products Laboratory
Box 351
Crisfield, Maryland 21817

(301) 968-1655

Wutoh, Joseph G. (Prof. in Charge)
- marine and estuarine pharmacology, protozoan culture techniques, toxic algae bloom monitoring

Boon, David D. (Faculty Research Asst.)
- seafood process wastewater, discoloration in shellfish, heavy metal concentrations in shellfish

Buroker, Norman E. (Post Doctoral Fellow)
- population genetics of oysters

Cockey, Ralph R. (Faculty Research Asst.)
- marine microbiological processes, public health aspects of pollution

Duersch, James W. (Asst. Prof.)
- research in seafood technology

Paparella, Michael W. (Senior Agent)
- extension service in food technology to seafood industry

University of Maryland, College Park (UMCP)

Department of Agricultural Engineering
Shriver Laboratory
College Park, Maryland 20742

(301) 454-3901

Stewart, Larry E. (Chairman)
- teaching, research, aquacultural engineering
- Sea Grant Program Marine Advisory Council

Ayars, James (Asst. Prof.)
- non-point source pollution

Brodie, Herb (Senior Extension Specialist)
- agricultural waste disposal

Wheaton, Frederick W. (Assoc. Prof.)
- fisheries and shellfish, aquaculture, seafood processing

Department of Agriculture and Resource Economics
College Park, Maryland 20742

(301) 454-3801

Lessley, Billy V. (Acting Chairman)
- business management with fishermen

Cain, Jarvis L. (Prof.)
- management and planning of seafood and other water-related industries

Strand, Iver (Asst. Prof.)
- management of fishery resources

Department of Agronomy
College Park, Maryland 20742

(301) 454-3718

Fanning, D. S. (Prof.)
- soil classification of tidal marshes, soil-vegetation relationships, sulphur content of tidal marshes

Foss, John E. (Prof.)
- soil classification of tidal marshes, soil-vegetation relationships, sulphur content of tidal marshes

Department of Botany
College Park, Maryland 20742

(301) 454-3818

Patterson, Glenn W. (Acting Chairman)
- biochemistry of algae

Karlander, Edward P. (Prof.)
- physiological ecology of algae

Stevenson, J. Court (Prof.)
- marsh ecology

Van Valkenburg, Shirley D. (Prof.)
- phytoplankton systematics

Department of Chemistry
College Park, Maryland 20742

(301) 454-3872

Bellama, John M. (Prof.)
- transformation of metals and organometals

Helz, George R. (Assoc. Prof.)
- geochemistry and analytical chemistry of trace organics and inorganics, source inventories and mass balances for anthropogenic contaminants

Ponnamperuma, Cyril (Prof.)
- diagenesis of organic compounds in sediments, hydrocarbons in ocean waters

Shimoyama, Akira (Research Assoc.)
- organic compounds in sediments and water

Sommer, Sheldon E. (Assoc. Prof.)
- geochemistry of sediments, metal-sediment interactions, mineral diagenesis, environmental effects of metal loading

Veitch, F. P. (Prof. Emeritus)
- oysters

Department of Civil Engineering
College Park, Maryland 20742

(301) 454-2438

Birkner, Francis B. (Prof.)
- heavy metals in oysters, precious metals in dredge spoils, chemical oxidation of reduced sulfur species

McCuen, Richard (Assoc. Prof.)
- wildlife habitat evaluation model

Sternberg, Y. M. (Prof.)
- ground water flow, spray irrigation of treated effluent on land

Department of Economics
College Park, Maryland 20742

(301) 454-3447

Cumberland, John H. (Prof.-Chairman)
- chloroform in drinking water

Department of Entomology
College Park, Maryland 20742

(301) 454-4239

Bickley, William E. (Prof.)
- salt marsh insect fauna

Messersmith, Donald H. (Prof.)
- survey of birds in Horn Point area

Institute of Fluid Dynamics and Applied Mathematics
College Park, Maryland 20742

(301) 454-2636

Faller, Alan J. (Prof.)
- oceanography, fluid dynamics, meteorology

Landsberg, Helmut E. (Prof. Emeritus)
- air mass modification

Department of Geology
College Park, Maryland 20742

(301) 454-4610

Sommer, Sheldon E. (Assoc. Prof.)
- geochemistry of sediments, metal-sediment interactions, mineral diagenesis, environmental effects of metal loading

Department of Mechanical Engineering
College Park, Maryland 20742

(301) 454-2410

Marks, Colin H. (Prof.)
- sea nettle barriers, oil spill containment, erosion

Department of Microbiology
College Park, Maryland 20742

(301) 454-2848

Colwell, Rita R. (Prof.)
- classification of marine bacteria, pollution degradation by microorganisms, microbial ecology, incidence of pathogens, Sea Grant Program Director

Hetrick, Frank M. (Prof.)
- human enteroviruses in Bay and Bay biota

Howard, Lawrence V. (Asst. Prof.)
- human pathogens in aquatic environments

Voll, Mary J. (Assoc. Prof.)
- pollution induced mutations in bacterial test system, molecular biology of *Vibrio* in the Bay

Weiner, Ronald M. (Assoc. Prof.)
- microbial, ecology, pathogen input, microbial degradative processes

Department of Veterinary Science
College Park, Maryland 20742

(301) 454-4631

Ingling, Allen L. (Prof.)
- microbiology and pathobiology of soft-shelled clams

Department of Zoology
College Park, Maryland 20742

(301) 454-3201

Corliss, John O. (Chairman)
- protozoa, Sea Grant Program Advisory Board
- Trustee, Chesapeake Research Consortium

Haley, A. James (Asst. Chairman)
- parasites and disease of Bay fauna

Allan, J. David (Assoc. Prof.)
- zooplankton ecology

Bonar, Dale B. (Asst. Prof.)
- development and metamorphosis of marine invertebrates

Clark, Eugenie (Prof.)
- sharks, skates and rays

Higgins, William J. (Asst. Prof.)
- comparative physiology and development of marine invertebrates

Linder, Harris J. (Assoc. Prof.)
- sex differentiation in sea nettles

Pierce, Sidney K. (Assoc. Prof.)
- physiological and biochemical interactions between marine invertebrates and their environments

Reaka, Marjorie L. (Asst. Prof.)
- life histories of Crustacea, ecology of mantis shrimp

Small, Eugene B. (Assoc. Prof.)
- systematics and diversity of ciliated protozoa

University of Maryland, Eastern Shore (UMES)

Department of Natural Sciences
Princess Anne, Maryland 21853

(301) 651-2200 Ext. 320

Hopkins, Thomas (Prof.-Chairman)
- fungal and algal toxins, heavy metals, water sampling and monitoring

Albano, Marianita (Asst. Prof.)
- fungal toxins

Bass, Eugene (Prof.)
- sensory physiology, Central Nervous System physiology, respiratory systems of aquatic organisms

Gupta, Gian (Asst. Prof.)
- water sampling and monitoring

Pinion, Jack (Prof.)
- algal toxins

Reback, Steve (Prof.)
- activity rhythms of marine organisms, orientation and migration of marine organisms, ecology and behavior of crabs

University of Maryland, Cooperative Extension Service (UMCES)
College Park, Maryland 20742

(301) 454-3742

Curtis, John M. (Director)
- user education programs, Sea Grant Program Development, Administration of Marine Advisory Program

Mazzaccaro, Tony P. (Marine Advisory Program Coordinator)
- user education programs, Sea Grant Program Development, administration of Marine Advisory Program

Adkins, Ralph J. (District Supervisor)
- training, advising and coordinating extension agents on environmental programs

Busbice, Bobby G. (District Supervisor)
- training, advising and coordinating extension agents on environmental programs

Marine, Agriculture and Community and Resource Development

Sorter, Bruce W. (CRD and Marine Advisory Program Specialist)
- training, advising and coordinating extension agents on environmental programs

Beiter, Robert J. (Extension Economist)
- tax and record keeping for watermen extension programs

Bender, Norman K. (Extension Economist)
- public information, tax and record keeping for watermen extension programs

Brinsfield, Russell B. (Extension Agricultural Engineer)
Salisbury, Maryland
(301) 749-9539
- engineering programs related to seafood processing, waste disposal, hydraulics and electrical systems

Hunt, Gary E. (Extension Specialist)
- informational services, publications, media and public information

Milliken, James W. (Extension Agent)
Kent County
(301) 778-1661
- education programs related to business management for watermen, pesticide management, wetlands management, and livestock management to eliminate water pollution

Monroe, George E. (Extension Agent)
Worcester County
(301) 632-1972
- education programs related to business management for watermen, pesticide management, wetlands management, and livestock management to eliminate water pollution

Mott, Shirley J. (Extension Home Economist)
- consumer related information on finfish and shellfish

Nerud, Georgia S. (Extension Home Economist)
- consumer related information on finfish and shellfish

Ritchie, Douglas E. Jr. (Marine Advisory Agent)
Southern Maryland
(301) 535-3664
- methods, regulations and development of commercial fisheries, business management for watermen, seafood processing

Swecker, Edward L. (Extension Agent)
St. Mary's County
(301) 475-5621
- educational programs related to business management for watermen, pesticide management, wetlands management, and livestock management to eliminate water pollution

VanZandt, Dorothy P. (Extension Home Economist)
- consumer related information on finfish and shellfish

Webster, Donald W. (Marine Advisory Agent)
Eastern Shore
(301) 228-8200
- methods, regulations and development of commercial fisheries, business management for watermen, seafood processing

2.16 Old Dominion University
Hampton Boulevard
P. O. Box 6173
Norfolk, Virginia 23508

(804) 489-6000

Department of Biology

Marshall, Harold G. (Prof.-Chairman)
- marine and freshwater plankton ecology and systematics

Matta, James F. (Prof.-Asst. Chairman) - ecology and systematics of aquatic invertebrates

Alden, Raymond W. (Prof.) - pollution, ecology, zooplankton

Birdsong, Ray S. (Assoc. Prof.) - ecology and systematics of fishes

Dauer, Daniel M. (Prof.) - ecology of marine benthic invertebrates

Erkenbrecher, Carl W. (Prof.) - estuary and marine microbiology

Johnson, James C. (Prof.) - eco-virology, virology of estuaries

Kirk, Paul W. (Prof.) - marine microbial ecology, mycology

Musselman, Lytton (Prof.) - aquatic and wetlands plants

Department of Chemistry

Diefenderfer, A. James (Prof.-Chairman) - instrumentation

Bell, Charles E., Jr. (Prof.) - natural products from marine organisms

Department of Civil Engineering

Drewry, William A. (Prof.-Chairman) - water and wastewater treatment

Kuo, Chin Y. (Prof.) - coastal hydraulics

Pagoria, Philip S. (Prof.) - water quality modeling

Umari, Amjad (Prof.) - water resources management

Institute of Oceanography

Ludwick, John C. (Prof. and Director)
- mechanics of sediment transport, coastal processes

Blair, Carvel H. (Asst. Prof.)
- coastal engineering

Fleischer, Peter (Asst. Prof.)
- minerology of fine-grained marine sediments, stratigraphy of the continental slope

Grosch, Chester E. (Prof.)
- theory of fluid turbulence, statistical wave theories, numerical models

Johnson, Ronald E. (Asst. Prof.)
- generation and distribution of water masses, oceanic circulation

Ofelt, George S. (Assoc. Prof.)
- underwater sound, optical oceanography, thermal processes in the ocean

Oglesby, Donald McC. (Assoc. Prof.)
- marine chemistry

Provenzano, Anthony J. (Prof.)
- larval ecology, reproduction of invertebrates

White, Harris H. (Asst. Prof.)
- plankton ecology and physiology

Wong, George T. F. (Asst. Prof.)
- trace elements, radionuclides

Adjunct appointments to the Institute are held by:

Shideler, Gerald L. (Adjunct Assoc. Prof. - U. S. Geological Survey)
- marine geology, sedimentary petrology

Swift, Donald J. P. (Adjunct Assoc. Prof. - National Oceanographic and Atmospheric Administration)
- geological oceanography, shelf morphology, history and sediment transport

Department of Physics and Geophysical Sciences

Darby, Dennis A.(Asst. Prof.)
- sedimentology

Koch, Carl (Asst. Prof.)
- paleontology

Rule, Joseph H. (Asst. Prof.)
- soils and geochemistry

Spencer, Randall S. (Assoc. Prof.)
- marine ecology, foraminifera ecology, micropaleontology

2.17 Rappahannock Community College
Warsaw, Virginia 22572

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Marine Science Department

Suydam, E. L. (Asst. Prof.)
(Ext. 42) - fish gill parasites

2.18 University of Richmond
Richmond, Virginia 23173

(804) 285-6000

Department of Biology

Bishop, J. Watson (Prof.)
(804) 285-6275 - phytoplankton

2.19 Roanoke College
Salem, Virginia 24153

(703) 389-2351

Department of Biology

Thompson, Jesse C., Jr. (Prof.)
(Ext. 271) - ciliated protozoa

2.20 Smithsonian Institution
1000 Jefferson Drive, S.W.
Washington, D.C. 20560

S. Dillon Ripley, Secretary of the Smithsonian
David Challinor, Assistant Secretary for Science
(202) 628-4422

Chesapeake Bay Center for Environmental Studies
Route 4, P. O. Box 622
Edgewater, Maryland 21037

J. Kevin Sullivan, Director
(301) 269-1412
David L. Correll, Associate Director
(301) 261-4190

2.21 Towson State College
Baltimore, Maryland 21024

(301) 321-2000

Department of Chemistry
(301) 321-3058

Caret, R. (Prof.)	- organic chemistry, polycyclic aromatics in sediments of Bay
Topping, J. (Prof.)	- analytical chemistry, polycyclic aromatics in sediments of Bay

2.22 United States Naval Academy
Annapolis, Maryland 21402

(301) 267-6100

Department of Environmental Sciences
(301) 267-3561

Hoffman, J. F. (Prof.)	- metals in Bay sediments, pollution of the water column over dredge disposal areas
Williams, Jerome (Prof.)	- development of instrumentation

Department of Naval Systems Engineering
(301) 267-3872

Bhattacharyya, R. (Prof.)
- wave resistance of watercraft

McCormick, M. E. (Prof.)
- wave energy conversion

2.23 University of Virginia
Charlottesville, Virginia 22903

(804) 924-0311

Department of Environmental Sciences
(804) 924-7761

Goodell, H. Grant (Prof.-Chairman)
- remote sensing work

Dolan, Robert (Prof.)
- beach processes and coastal geomorphology

Dueser, Raymond (Prof.)
- small mammal ecology of marshes

Ellison, Robert (Prof.)
- marsh and estuarine ecology

Fisher, John (Prof.)
- beach processes and estuarine circulation

Garstang, Michael (Prof.)
- coastal zone wind energy

Hayden, Bruce (Prof.)
- coastal climatology

Odum, William (Prof.)
- marsh and estuarine ecology and coastal zone land use planning

Pielke, Roger (Prof.)
- coastal zone wind energy

Reed, Wallace (Prof.)
- land use planning

Zieman, Joseph (Prof.)
- seagrass ecology

2.24 Virginia Institute of Marine Science
Gloucester Point, Virginia 23062

(804) 642-2111

Office of the Director

Hargis, William J., Jr. (Director)
- biological oceanography, resource management, science administration, parasitology
- Trustee, Chesapeake Research Consortium

(Dr. Hargis is also Dean, School of Marine Science of the College of William and Mary and Chairman, Department of Marine Science of the University of Virginia)

Pleasants, John B.
- coastal zone management, research administration, information management

Theberge, N. Bartlett, Jr.
- coastal and marine law

Marine Environment and Resources Research and Management Systems (MERRMS)

Jones, Claiborne (Head)
- management information

Division of Biological Oceanography

Perkins, Frank O. (Asst. Director and Division Head)
- management of marine and estuarine resources, coastal zone management, cell biology of marine protists

Department of Invertebrate Ecology

Wass, Marvin L. (Head)
- benthic ecology, wetland ecology and marine biogeography

Boesch, Donald F.
- marine ecology (particularly benthic ecology), pollution ecology, community ecology

Orth, Robert
- submerged aquatic vegetation

Roberts, Morris H.
- physiological ecology of marine and freshwater decapod crustaceans, pollution effects on vertebrates and invertebrates in all life states

Serafy, D. Keith
- marine benthic ecology and systematics of echinoderms

Department of Marine Culture

DuPuy, John L.
- marine ecology and invertebrate culture

Department of Microbiology - Pathology

Kator, Howard I. (Head)
- microbiology of hydrocarbon degradation,microbiology of estuaries and marshlands

Ruddell, Craig L.
- histopathology, histochemistry, cell biology of marine metazoa

Department of Planktology

Grant, George C. (Head)
- taxonomy and ecology of marine zooplankton (specializing in Chaetognatha), application of computer techniques to problems in taxonomy

Division of Environmental Science and Engineering

Bender, Michael E. (Asst. Director and Division Head)
- eutrophication, algal ecology, water quality criteria for aquatic life
- Trustee, Chesapeake Bay Consortium

Department of Ecology - Pollution

Huggett, Robert J. (Head)
- heavy metals, pesticides, oil pollution, water quality criteria

Webb, Kenneth L. (Head - Environmental Biology Section)
- plant physiology and ecology

Haas, Leonard W.
- ecology and phytoplankton dynamics

Jordan, Robert A.
- eutrophication, algal ecology, thermal pollution

Bieri, Rudolf H. (Head - Environmental Chemistry Section)
- oceanography, environmental sciences

Cueman, Michael K.
- environmental chemistry

Harris, Richard
- trace metals in the environment, water quality

Stamoudis, Vassilios
- hydrocarbon analysis of oil spills, toxic organic substances

Department of Environmental Physiology

Zubkoff, Paul L. (Head)
- biochemistry, environmental physiology

Warinner, J. E.
- radiobiology, environmental physiology

Department of Wetlands Research and Environmental Impact Assessment

Silberhorn, Gene M. (Head)
- wetlands ecology, evaluation of land use development with respect to natural vegetation

Banard, Thomas
- coastal resources management

Dawes, George M.
- coastal resources management

Wetzel, Richard L.
- ecosystem modeling, wetlands, energetics

Division of Fisheries Science and Services

Austin, Herbert M. (Asst. Director and Division Head)
- fisheries oceanography, year class strength prediction

Department of Applied Biology

Haven, Dexter S. (Head)
- physiology of mollusks, natural sediments of oyster bars

Department of Crustaceology

Van Engel, Willard A. (Head)
- biology of crustacea, biometry, life history, ecology and population dynamics of brackish water and marine crustaceans

Department of Ichthyology

Merriner, John V. (Head)
- ecology of estuarine fishes, culture and rearing of estuarine fishes

Loesch, Joseph G.
- marine and anadromous fisheries

Musick, John A.
- systematics, behavior and ecology of cold-blooded vertebrates, community ecology of demersal marine fishes

Department of Malacology

Andrews, Jay D. (Head)
- malacology, oyster genetics

Division of Physical Science and Coastal Engineering

Zeigler, John M. (Asst. Director and Division Head)
- erosion, tropical continental shelf studies, nearshore circulation
- Trustee, Chesapeake Research Consortium

Department of Estuarine Processes and Chemical Oceanography

Neilson, Bruce J. (Head)
- dispersion, reaeration and stratification in estuaries

Ho, Gaines C. S.
- water quality management of estuaries, mathematical modeling of biological treatment processes

MacIntyre, William G.
- chemical oceanography, data processing

Smith, Craig L.
- marine chemistry, organic geochemistry, chemistry of oil pollution

Su, Chih Wu
- hydrocarbon chemistry

Department of Geological Oceanography

Byrne, Robert J. (Head)
- beach erosion studies, sediment processes, barrier islands

Boon, John D. III
- littoral processes, hydrodynamics of coastal inlets, tides and currents

Goldsmith, Victor
- coastal processes, beach and wave dynamics, eolian processes

Munday, John C., Jr.
- remote sensing of environmental water quality, coastal circulation

Nichols, Maynard M.
- oceanography, marine geology, sedimentation

Ware, Donna M. E.
- wetland plants, botany

Department of Physical Oceanography and Hydraulics

Fang, Ching Seng (Head)
- estuarine and coastal hydromechanics

Chen, Hsuan Shan
- water wave mechanics, harbor resonance in offshore or coastal harbor

Hyer, Paul V.
- geophysical fluid dynamics, estuarine and continental shelf oceanography

Kuo, Albert Y.
- estuarine hydrodynamics, turbulence

Ruzecki, Evon P.
- meterology, relationships between physics and biology of ocean systems

Welch, Christopher S.
- dynamical oceanography and measurements with drogued buoys

Division of Special Programs and Scientific Services

Lynch, Maurice P. (Asst. Director and Division Head
Head, Office of Special Programs,
Sea Grant Director)
- management of marine and estuarine resources, coastal zone management, physiology of estuarine organisms

Department of Advisory Services

DuPaul, William (Head)
- commercial fishing, environmental physiology, marine advisory

Lucy, Jon
- marine biology, commercial and sport bivalve fisheries, marine recreation

Rooney-Char, Anne
- coastal resources management

Schmeid, Ron L.
- coastal resources management

BLM-OCS Program

Burreson, Eugene M. (Program Manager)
- marine biology, marine fish parasites and diseases, taxonomy and ecology of marine hirudinea

Data Processing Services

Engel, Gerald (Head)
- computer science

Degges, Francis
- assistance programming

Roller, William
- statistics

Shaw, Ginny
- data base management

Sea Grant Program

Wardle, William J. (Asst. Sea Grant Director Research)
- marine biology, shellfish parasites, helminth life cycles

Wachapreague Laboratory

Castagna, Michael (Scientist-in-Charge)
- larval behavior, natural history of mollusks, mariculture

Kraeuter, John N.
- invertebrate ecology, systematics of scaphopod mollusks

2.25 Virginia Polytechnic Institute and State University
Blacksburg,Virginia 24061

(703) 951-6000

Department of Agricultural Economics
(703) 951-6301

Batie, Sandra (Prof.)
- economic impact of coastal zone land use, wetlands evaluation

Coale, Charles (Prof.)
- seafood marketing, firm management, Citizens Program for Chesapeake Bay

Long, Burl (Prof.)
- land use policy, economic analysis as it relates to water quality

Marshall, Paxton (Prof.)
- land use policy

Shabman, Leonard (Prof.)
- flood control, land use policy, economic analysis of water quality

Department of Agricultural Engineering
(703) 951-6813

Shanholtz, Vernon O. (Prof.)
- watershed modeling, hydrology

Smolen, Michael (Prof.)
- water quality of freshwater tributaries

Wright, Malcomb (Prof.)
- water use in the vegetable processing industry

Department of Agronomy
(703) 951-6481

Martens, David C. (Prof.)
- wastes from livestock lagoons

Powell, Norris L. (Prof.)
- remote sensing, water movement

Reneau, R. B., Jr. (Prof.)
- movement of bacteria and nutrients from septic systems

Department of Biology and Center for Environmental Studies
(703) 951-5538

Cairns, John, Jr. (Distinguished Prof. - Director)
- water quality studies, hazard evaluation, regional studies, aquatic community structure analyses

Dickson, Kenneth L. (Assoc. Prof. - Asst. Director)
- water quality studies of inland tributaries

Linzey, Donald W. (Instructor - Administrator)
- endangered species

Benfield, Ernest F. (Assoc. Prof.)
- aquatic ecology, pollution effects, inland tributaries

Buikema, Arthur L., Jr. (Assoc. Prof.)
- aquatic ecology, pollution effects, inland tributaries

Hendricks, Albert C. (Assoc. Prof.)
- aquatic ecology, pollution effects, inland tributaries

Simmons, George M., Jr. (Assoc. Prof.)
- aquatic ecology, pollution effects, inland tributaries

Yongue, William H., Jr. (Assoc. Prof.) - aquatic ecology, pollution effects, inland tributaries

Department of Civil Engineering
(703) 951-6635

Contractor, Dinshaw (Prof.) - mathematical modeling, flood control

Randall, Clifford (Prof.) - water quality analysis

Division of Environmental and Urban Systems
(703) 951-5582

Day, Gary E. (Prof.) - land use policy and non-point discharges

Dickenson, Richard B. (Prof.) - Sea Grant Program

Hackett, James E. (Prof.) - environmental management, environmental applications of geology, environmental planning

Hanna, Dixon B. (Prof.) - land use policy

School of Forestry and Wildlife Resources
(703) 951-5481

Cross, Gerald H. (Prof. - Chairman) - fisheries and wildlife resources

Giles, Robert H. (Prof.) - land use planning, watershed models

Virginia Water Resources Research Center
Blacksburg, Virginia 24061

(703) 951-5624

Cox, William (Asst. Prof.) - legal and institutional aspects of resource management

Kerns, Waldon R. (Assoc. Prof. - Resource Economist)
- water and related land resource management and institutional organization

2.26 Virginia State College
Petersburg, Virginia 23803

(804) 526-5111

Department of Biology

Woodson, B. R., Jr. (Prof.)
- algal systematics and productivity

2.27 Western Maryland College
Westminster, Maryland 21157

(301) 848-7000

Department of Biology

Alspach, Samuel (Prof.)
- marine biology, anaerobic respiration in oysters and clams, assessment of clam populations in Narragansett Bay Rhode Island

Department of Chemistry

Smith, Richard (Prof.)
- water quality, chemical analysis, nutrient export with regard to land use, pesticide degradation in the soil

2.28 College of William and Mary
Williamsburg, Virginia 23185

(804) 253-4000

Department of Biology and School of Marine Science (The faculty of the Virginia Institute of Marine Science hold joint appointments to the School of Marine Science)

Black, Robert E. L. (Prof.)
- embryology of invertebrates

Byrd, Mitchell A. (Prof.)
- osprey population in Chesapeake Bay

Mangum, C. P. (Prof.)
- invertebrate biology under stress conditions

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3.0 FEDERAL AGENCIES

3.1 Department of Commerce

National Oceanic and Atmospheric Administration
Main Commerce Building
Washington, D.C. 20230

Richard A. Frank, Administrator
(202) 377-3567
James P. Walsh, Deputy Administrator
(202) 377-3436

6010 Executive Boulevard (main mailing address)
Rockville, Maryland 20852

George Benton, Acting Associate Administrator
(301) 443-8202
Stanley B. Eames, Director, Public Affairs
(301) 443-8243

Coastal Zone Management
2001 Wisconsin Avenue, N.W.
Washington, D.C. 20235

Robert W. Knecht, Acting Assistant Administrator
(202) 634-4232

Fisheries
3300 Whitehaven Street, N.W.
Washington, D.C. 20235

Terry L. Leitzell, Acting Assistant Administrator
(202) 634-7283
Robert W. Schoning, Acting Deputy Assistant Administrator
(202) 634-7283
Gerald D. Hill, Public Affairs Officer
(202) 634-7281

National Marine Fisheries Service
Beaufort Laboratory
Beaufort, North Carolina 28516

Dr. T. R. Rice, Director
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National Marine Fisheries Service
Oxford Laboratory
Oxford, Maryland 21654

Dr. Aaron Rosenfield, Director
(301) 226-5193

Oceanic and Atmospheric Services
6010 Executive Boulevard
Rockville, Maryland 20852

Richard E. Hallgren, Acting Assistant Administrator
(301) 443-8574

Environmental Data Service
National Oceanographic Data Center
2001 Wisconsin Avenue, N.W.
Washington, D.C. 20235

Robert V. Ochinero, Director NODC
(202) 634-7232

Data Services Division
Oceanographic Services Branch
2001 Wisconsin Avenue, N.W.
Washington, D.C. 20235

Albert Bargeski, Branch Chief
(202) 634-7500

Special Projects Division
Data Index Branch
2001 Wisconsin Avenue, N.W.
Washington, D.C. 20235

Christopher Noe, Branch Chief
(202) 634-7298

National Ocean Survey
6001 Executive Boulevard
Rockville, Maryland 20852

Rear Admiral Allen L. Powell, Director
(301) 443-8204
John G. Stringer, Public Affairs Officer
(301) 443-8708

National Weather Service
Eastern Region (16 States; Maine to South Carolina to Ohio)
585 Stewart Avenue
Garden City, New York 11530

Dr. William D. Bonner, Director
(516) 222-2100

3.2 Department of Defense
The Pentagon
Room 3E880
Washington, D.C. 20310

Hon. Harold B. Brown, Secretary of Defense
(202) 695-5261
Information
(202) 545-6700

Department of the Army
The Pentagon
Washington, D.C. 20310

Hon. Clifford Alexander, Jr., Secretary of the Army
(202) 695-3211

United States Army Engineer Division (N.Y., Philadelphia, Baltimore, Norfolk Engineer Districts)
North Atlantic
Corps of Engineers
90 Church Street
New York, New York 10007

Frank R. Pagano, Division Chief
(212) 264-7138

United States Army Engineer District
Baltimore
Corps of Engineers
Box 1715
Baltimore, Maryland 21203

Colonel G. K. Withers, Jr., District Engineer
(301) 962-4545
David Mitchell, Public Affairs Officer
(301) 962-4616

United States Army Engineer District
Philadelphia
Corps of Engineers
U.S. Custom House
Second and Chestnut Streets
Philadelphia, Pennsylvania 19106

Colonel Harry V. Dutchyshyn, District Engineer
(215) 597-4848

United States Army Engineer District
Norfolk
Corps of Engineers
803 Front Street
Norfolk, Virginia 23510

Colonel Newman A. Howard, Jr., District Engineer
(804) 446-3601

Department of the Navy
The Pentagon
Washington, D. C. 20350

Hon. W. Graham Claytor, Jr., Secretary of the Navy
(202) 695-3131

Naval Oceanographic Office
Washington, D. C. 20373

(As of August 1978, this office will be relocated to:)
NSTL
Bay St. Louis, Mississippi 39522

Captain John R. McDonnel, Commander
(202) 763-1140

Office of Naval Research
800 N. Quincy Street
Arlington, Virginia 22217

Rear Admiral Robert K. Geiger, Chief of Naval Research
(Also Asst. Oceanographer of the Navy)
(202) 692-4258

Executive Assistant
(202) 692-4622
Deputy Chief of Naval Research
(202) 692-4259

Naval Surface Weapons Center
Dahlgren Laboratory
Dahlgren, Virginia 22448

(Is now part of the White Oak center. Send any information to the White Oak address)

Captain J. G. Flannery, Captain of the Base
(703) 663-8103

Naval Surface Weapons Center
White Oak Laboratory
Silver Spring, Maryland 20910

Captain Paul L. Anderson, Commander NSWC
(White Oak Lab and Dahlgren Lab)
(301) 394-1253

3.3 Department of Energy
Washington, D. C. 20545

Hon. John Schlesinger, Secretary of Energy
(202) 456-6210

Office of Energy Research
Washington, D. C. 20545

John M. Deutch, Director
(202) 456-6764
(202) 376-4024

3.4 Environmental Protection Agency
Region III
Curtis Building
6th & Walnut Streets
Philadelphia, Pennsylvania 19106

Jack J. Schramm, III, Administrator
(215) 597-9814

Leonard Mangiaracina, Director
Chesapeake Bay Program
(215) 597-7943

Annapolis Field Office
Region III, EPA
Annapolis Science Center
Annapolis, Maryland 21401

Orterio Villa, Director
(301) 224-2740

3.5 Federal Coordinating Council for Science, Engineering and Technology (FCCSET)
Office of Science and Technology Policy
Executive Office of the President
17th and Pennsylvania Avenue, N.W.
Washington, D. C. 20500

William Perin Raney, Executive Secretary
(202) 395-5636

Committee on Atmosphere and Oceans
(CAO)

Edward Todd, Acting Chairman, NSF
(202) 632-4024

Nelson Charak, Executive Secretary
Room 727, Building 5
EM5
6010 Executive Boulevard
Rockville, Maryland 20852
(301) 443-8108

3.6 Department of Health, Education and Welfare
200 Independence Avenue, S.W.
Washington, D. C. 20201

Hon. Joseph A. Califano, Jr., Secretary
(202) 245-6306

Public Health Service
Food and Drug Administration
5600 Fishers Lane
Rockville, Maryland 20857

Dr. Donald Kennedy, Commissioner
(301) 443-3380

Regional Food and Drug Administration Office
U. S. Customs House
Room 1204
2nd & Chestnut Streets
Philadelphia, Pennsylvania 19106

Richard J. Davis, Director
(215) 597-4390

Regional Specialist for Shellfish Sanitation
Food and Drug Administration
900 Madison Avenue
Baltimore, Maryland 21201

Robert Brands, Regional Specialist
(301) 962-4051

3.7 Department of the Interior
19th & C Streets, N.W.
Washington, D. C. 20240

Hon. Cecil D. Andrus, Secretary of the Interior
(202) 343-1100

Boston Regional Office
United States Fish and Wildlife Service
1 Gateway Center
Newton, Massachusetts 02158

Howard N. Larsen, Regional Director
(617) 965-5100

Patuxent Wildlife Research Center
Laurel-Bowie Road 197
Laurel, Maryland 20811

Lucille Stickel, Director
(301) 776-4880

U.S. Fish and Wildlife Service
Division of Ecological Services
1825-B Virginia Street
Annapolis, Maryland 21401

Glenn Kinser, Supervisor
(301) 269-5448

United States Geological Survey
National Center
12201 Sunrise Valley Drive
Reston, Virginia 22092

Henry William Menard, Director
(703) 860-7411

Office of Water Research and Technology
Department of the Interior
Main Interior Building, Room 4412
18th and C Streets, N.W.
Washington, D.C. 20240

Gary D. Cobb, Director
(202) 343-4607

3.8 National Aeronautics and Space Administration
400 Maryland Avenue, S.W.
Washington, D.C. 20546

Dr. Robert A. Frosch, Administrator
(202) 755-3918

Chesapeake Bay Ecological Projects Office
Building E-105
Wallops Island Flight Center
Wallops Island, Virginia 23337

Paul Alfonsi, Head
(804) 824-3411, X260

3.9 National Science Foundation
1800 G Street, N.W.
Washington, D. C. 20550

Dr. Richard C. Atkinson, Director
(202) 632-5728

3.10 Department of Transportation
400 Seventh Street, S.W.
Washington, D. C. 20590

Hon. Brock Adams, Secretary
(202) 426-1111
Locator Office
(202) 426-4000

United States Coast Guard
Department of Transportation
400 7th Street, S.W.
Washington, D. C. 20590

Admiral Owen W. Siler, Commandant
(202) 426-2390

Atlantic Area Office
U. S. Coast Guard
Governor's Island
New York, New York 10004

Vice Admiral W. F. Rea, III, Commander
(212) 264-8743

2d Coast Guard District (West Virginia)
1430 Olive Street
St. Louis, Missouri 63103

Rear Admiral Wayne E. Caldwell, Commander
(314) 425-4601

3d Coast Guard District (Eastern Pennsylvania, Delaware)
Governor's Island
New York, New York 10004

Vice Admiral W. F. Rea, III, Commander
(212) 264-8743

5th Coast Guard District (Maryland, Virginia, D.C.)
Federal Building
431 Crawford Street
Portsmouth, Virginia 23705

Rear Admiral J. E. Johansen, Commander
(804) 393-9611

4.0 STATE, REGIONAL AND LOCAL GOVERNMENTAL AGENCIES

4.1 Delaware

Department of Natural Resources and Environmental Control
Edward Tatnall Building
Legislative Avenue and D Street
Dover, Delaware 19901

Austin P. Olney - Secretary
(302) 678-4403

Environmental Control Division
Edward A. Sienicki - Director
Robert Touhey - Acting Manager, Water Resources Section
(302) 678-4761

Fish and Wildlife Division
William Wagner - Director
Robert Graham - Assistant Director
Charles Lesser - Manager of Fisheries
(302) 678-4431

Parks, Recreation and Forestry Division
John Wilson - Director
Bill Hopkins - Manager of Technical Services
(302) 678-4401

Soil and Water Conservation Division
William R. Ratledge - Director
(302) 678-4411

Division of Public Health
Bureau of Environmental Health
Cooper Building
Dover, Delaware 19901

Donald Harmeson - Bureau Chief
(302) 678-4731

4.2 District of Columbia

Department of Environmental Services
Bureau of Air and Water Pollution Control
5010 Overlook Avenue, S.W.
Washington, D.C. 20032

John V. Brink, Chief
(202) 767-7486

Department of Environmental Services
Office of Environmental Planning
415 12th Street, N.W.
Room 308
Washington, D.C. 20004

Malcolm Hope, Chief
(202) 629-3105

Department of Environmental Services
Water Resources Management Administration
415 12th Street, N.W.
Room 307
Washington, D.C. 20004

Jean Levesque, Chief
(202) 629-4496

Metropolitan Washington Council of Governments
1225 Connecticut Avenue
Washington, D.C. 20036

Frank Lamb, Director of Water Resources
(202) 223-6800

4.3 Maryland

State Agencies

Maryland Department of Agriculture
State Chemist Section
Chemistry Building Room 0223
University of Maryland
College Park, Maryland 20742

David Clark - State Chemist
(301) 454-2721

Maryland Department of Health and Mental Hygiene
Environmental Health Administration
201 West Preston Street - P.O. Box 13387
Baltimore, Maryland 21201

Donald Noren - Director
(301) 383-2740

Bureau of Sanitary Engineering
James D. Clise - Director

Maryland Department of Natural Resources
Tawes Building
580 Taylor Avenue
Annapolis, Maryland 21401

James B. Coulter, Secretary
(301) 269-3041

Energy and Coastal Zone Administration
L.E. Zeni - Administrator
(301) 269-2788

Suzanne Bayley, Director, Coastal Zone Unit
(301) 269-3382

Donald E. Milsten, Director, Energy Policy Office
(301) 383-6810

Paul O. Massicot, Director, Power Plant Siting Program
Randy Roig, Impact Assessment Administrator
(301) 269-2261

Fisheries Administration
Robert Rubelmann - Director
(301) 269-3558

Benjamin M. Florence, Chief, Tidewater Finfish Program
(301) 269-3361

Forest Service
Donald MacLauchlan - Director
(301) 269-3776

Park Service
William Parr - Director
(301) 269-3761

Water Resources Administration
Herbert Sachs - Administrator
(301) 269-3846

Paul Slunt - Chief, Water Quality Services
(301) 269-3677

Wildlife Administration
Bernard Halla - Administrator
(301) 269-3195

Maryland Environmental Service
60 West Street
Annapolis, Maryland 21401

Thomas D. McKewen - Director
(301) 269-3351

Maryland Environmental Trust
501 St. Paul Place
Suite 1401
Baltimore, Maryland 21202

David P. Miller - Director
(301) 383-4264

Maryland Geological Survey
Merryman Hall
The Johns Hopkins University
Baltimore, Maryland 21218

Kenneth N. Weaver - Director
(301) 235-0771

Maryland Port Administration
World Trade Center Baltimore
Baltimore, Maryland 21202

W. Gregory Halpin - Acting Administrator
(301) 383-5731

Maryland Department of State Planning
Regional and Local Planning Program
State Office Building
301 West Preston Street
Baltimore, Maryland 21201

Richard Gucker - Director
(301) 383-2460

Regional Agencies

Regional Planning Council
701 St. Paul Street
Baltimore, Maryland 21202

Alfred Gwynn - Director of Resource Management
(301) 383-5827

Southern Maryland Health Systems Agency
P. O. Box 85
9016 Clinton Street
Clinton, Maryland 20735

Benjamin Patch - Executive Director
(301) 868-6206

Tri-County Council for Southern Maryland
P. O. Box 301
Waldorf, Maryland 20601

Gerald McKinney - Executive Director
(301) 645-2693

Local Agencies

Allegany County Planning and Zoning Commission
P.O. Box 1433
Room 256
Allegany Health Center
Willow Brook Road
Cumberland, Maryland 21502

Ben Samson - Planning Director
(301) 777-5951

Anne Arundel County Office of Planning and Zoning
Arundel Center
P.O. Box 1831
Annapolis, Maryland 21404

Florence Kurdle - Director
(301) 224-1469

Baltimore City Department of Planning
Room 800
222 East Saratoga Street
Baltimore, Maryland 21202

Larry Reich - Director
(301) 396-4327

Baltimore County Office of Planning and Zoning
401 Bosley Avenue
New Court Building
Room 406
Towson, Maryland 21204

Leslie H. Graes - Director
(301) 494-3211

Calvert County Planning and Zoning Commission
County Court House
Prince Frederick, Maryland 20678

Frank Jaklitsch - Director
(301) 535-1600 Ext. 38

Caroline County Office of Planning and Zoning
Caroline County Court House
Box 107
Denton, Maryland 21629

Alan Visintainer - Director/County Planner
(301) 479-1418

Carroll County Office of Planning and Zoning
County Office Building
225 North Center Street
Westminster, Maryland 21157

Edmund R. Cueman - Director
(301) 848-4500 Ext. 270

Cecil County Planning Commission
Office of Planning and Economic Development
Room 302
Cecil County Court House
Elkton, Maryland 21921

Allan S. Davis - Director
Michael Pugh - Assistant Director
(301) 398-0430

Charles County Planning Commission
Charles County Court House
P.O. Box B
La Plata, Maryland 20646

James E. Redmond - Director
(301) 934-8141 Ext. 233

Dorchester County Planning and Zoning Commission
P.O. Box 307
Cambridge, Maryland 21613

Hobert Adams - Director
(301) 228-3234

Frederick County Planning Commission
Winchester Hall
Frederick, Maryland 21701

Lawrence W. Johnson - Director
(301) 663-8300 Ext. 250

Garrett County Planning Commission
323 East Oak Street
Oakland, Maryland 21550

Tim Dugan - Director
(301) 334-4200

Harford County Planning Department
45 South Main Street
Bel Air, Maryland 21014

John Preston - Director, Coastal Zone Management
(301) 838-6000

Howard County Comprehensive Planning Section
Office of Planning and Zoning
3430 Court House Drive
Ellicott City, Maryland 21043

Thomas G. Harris, Jr. - Planning Director
Amar S. Dandel - Chief
(301) 992-2357

Kent County Planning Commission
Court House
Chestertown, Maryland 21620

Peter Johnston - Director
(301) 778-4600 Ext. 67

Montgomery County Planning Board
8787 Georgia Avenue
Silver Spring, Maryland 20907

Richard E. Tustian - Director
(301) 279-1000

Prince Georges County Planning Board
14741 Governor Oden Bowie Drive
Upper Marlboro, Maryland 20870

John F. Downs - Director
(301) 952-3594

Queen Anne's County Planning Commission
Court House
Centreville, Maryland 21617

Robin Wood - Planning and Zoning Administrator
(301) 758-1255

St. Mary's County Planning and Zoning Commission
P.O. Box 351
Leonardtown, Maryland 20650

Joseph M. Gough, Jr. - Director of Planning and Zoning
Frank J. Gerred - Director of Land Use and Development
(301) 475-5621 Ext. 51/52

Salisbury/Wicomico County
Planning and Zoning Commission
P.O. Box 791
Salisbury, Maryland 21801

Merrill J. Burhans - Director
(301) 742-3072

Somerset County Planning and Zoning Commission
24 East Prince William Street
Princess Anne, Maryland 21850

Richard M. Pollitt, Jr. - Director
(301) 651-1424

Talbot County Planning and Zoning Commission
County Building
Easton, Maryland 21601

Robert W. Reindollar - County Planner/Engineer
(301) 822-2030

Washington County Planning and Zoning Commission
33 West Washington Street
County Office Building - 3rd Floor
Hagerstown, Maryland 21740

Jack S. Haweaker - Executive Director
(301) 791-3066

Worchester County Planning and Zoning Commission
111 North Washington Street
Snow Hill, Maryland 21863

Harold W. Morris - Director
(301) 632-1200

4.4 Pennsylvania

State Agencies

Department of Agriculture
Bureau of Plant Industry
2301 North Cameron Street
Harrisburg, Pennsylvania 17120

Henry Nixon, Director
(717) 787-4392

Department of Commerce
Bureau of Appalachian Development
Room 402, South Office Building
Harrisburg, Pennsylvania 17120

Susan Hoak Gahres, Director
James H. Grim, Assistant Director
(717) 787-7120

Department of Environmental Resources
Fish Commission
P. O. Box 1673
Harrisburg, Pennsylvania 17120

Ralph W. Abele, Executive Director
(717) 787-6593
Information
(717) 787-2579

Department of Environmental Resources
Division of Water Quality
P. O. Box 2063
Harrisburg, Pennsylvania 17120

Theodore P. Clista, Susquehanna River Basin Engineer
(717) 787-9637

Department of Environmental Resources
Bureau of Water Quality Management
(717) 787-2666

Regional Agencies

Capitol Region Planning and Development Agency
Suite 124, Host Inn
4751 Lindle Road
Harrisburg, Pennsylvania 17111

George McKelvy, Administrator
(717) 939-7827

Economic Development Council of Northeastern Pennsylvania
P. O. Box 777
Avoca, Pennsylvania 18641

Howard J. Grossman, Executive Director
(717) 655-5581

(These agencies operate within the counties in the Harrisburg and Scranton/Wilkes -Barre areas, respectively. In addition, all counties on the Susquehanna and its major tributaries have prepared wastewater treatment and land use plans. Contacts for the various counties are available through Mr. Clista's agency (above).)

4.5 Virginia

State Agencies

Department of Agriculture and Commerce
Planning and Development
P. O. Box 1163
Richmond, Virginia 23209

Dr. Berkwood Farmer, Director
(804) 786-3978

Department of Commerce and Resources
P. O. Box 1475
Richmond, Virginia 23212

Maurice Rowe, Secretary
(804) 786-7831

Department of Commerce and Resources
Coastal Zone Management Program
5th Floor
Ninth Street Office Building
Richmond, Virginia 23219

Donald Budlong, Project Manager
(804) 786-7652

Department of Conservation and Economic Development
1100 State Office Building
Richmond, Virginia 23219

J. Stevens Griles, Executive Assistant
(804) 786-2121
Ben H. Bolen, Commissioner, Division of Parks
(804) 786-2132

Division of Consolidated Laboratory Services
1 North 14th Street
Richmond, Virginia 23219

A. W. Tiedemann, Jr., Director
(804) 786-7905

Cooperative Fishery Unit, U.S.D.I.
Virginia Polytechnic Institute
106 Cheathan Hall
Blacksburg, Virginia 24060

Garland Pardue, Leader
(703) 951-5507
John Ney, Section Leader
(703) 951-6944

Corporation Commission
Division of Public Utilities
P. O. Box 1197
Richmond, Virginia 23209

Edward C. Addison, Assistant Director
(804) 786-7560

Council on the Environment
Ninth Street Office Building
Richmond, Virginia 23219

Susan T. Wilburn, Acting Administrator
(804) 786-4500

Commission of Game and Inland Fisheries
4010 W. Broad Street
Richmond, Virginia 23230

Chester F. Phelps, Executive Director
James F. McInteer, Jr., Assistant Director
(804) 786-4974

Office of the Governor
Division of Industrial Development
1010 State Office Building
Richmond, Virginia 23219

J. Frank Alspaugh, Director
(804) 786-3791

Office of the Governor
Department of Intergovernmental Affairs
Division of Special Programs
205 North 4th Street
Richmond, Virginia 23219

Lynn H. Currey, Director
(804) 786-4474

Department of Health
Madison Building
109 Governor Street
Richmond, Virginia 23219

James B. Kenley, M.D., Commissioner
(804) 786-3561
Dr. Leonard Vance, Assistant Attorney General
Robert Adams, Assistant Attorney General
(804) 786-1021

Division of Engineering

Bureau of Occupational Health
Charles E. Herritan, Director
(804) 786-6285

Bureau of Sanitary Engineering
Oscar H. Adams, Director
(804) 786-6277

Bureau of Solid Waste and Vector Control
401-A Colley Avenue, Room 209
Norfolk, Virginia 23507

R. E. Dorer, Director
(804) 627-4511

Division of Local Health Service

Bureau of Environmental Health
Eugene T.Goode, Director
(804) 786-3559

Bureau of Shellfish Sanitation
Room 1117
Cloyde W. Wiley, Director
(804) 786-7937

Bureau of Tourist Establishment Sanitation
Joseph W. Moschler, Director
(804) 786-2088

Marine Resources Commission
P. O. Box 756, 2401 West Avenue
Newport News, Virginia 23607

James E. Douglas, Jr., Commissioner
Norman Larsen, Marine Resources Commission Environmental Planner
(804) 245-2811

Commission on Outdoor Recreation
8th Street Office Building
803 East Broad Street
Richmond, Virginia 23219

Rob R. Blackmore, Director
(804) 786-2036

State Water Control Board
2111 N. Hamilton Street
P. O. Box 11143
Richmond, Virginia 23230

Robert V. Davis, Executive Secretary
Alfred H. Paessler, Assistant Executive Secretary
Michael A. Bellanca, Deputy Executive Secretary
L. C. Lawson, Director, Bureau of Applied Technology
David S. Bailey, Director, Bureau of Enforcement
Dale F. Jones, Director, Bureau of Water Control Management
Raymond E. Bowles, Director, Bureau of Surveillance and Field Studies
(804) 786-1411

State Water Control Board
Northern Virginia Regional Office
Suite 404
5515 Cherokee Avenue
Alexandria, Virginia 22312

T. M. Schwarberg, Director
(703) 750-9111

State Water Control Board
Piedmont Regional Office
4010 West Broad Street
Richmond, Virginia 23230

J. J. Cibulka, Director
(804) 786-5401

State Water Control Board
Tidewater Regional Office
287 Pembroke Office Park
Suite 310, Pembroke #2
Virginia Beach, Virginia 23462

Larry S. McBride, Regional Director
(804) 499-8742

Virginia Port Authority
1600 Maritime Tower
Norfolk, Virginia 23510

M. V. Craft, Executive Director
F. Joseph Donvois, Assistant Director of Planning
(804) 622-1671

Virginia Soil and Water Conservation Commission
830 East Main Street
Richmond, Virginia 23219

Joseph B. Willson, Jr., Director
(804) 786-2064

Regional Agencies

Accomack, Northampton Planning District
P. O. Box 316
Accomack, Virginia 23301

Dale R. Burton, Executive Director
(804) 787-2936

Middle Peninsula Planning District Commission
P. O. Box 286
Saluda, Virginia 23149

Neil Barber, Executive Director
(804) 758-2312

Northern Neck Planning District
Drawer H
Callao, Virginia 22435

Herbert N. Hamric, III, Executive Director
(804) 529-7400

Northern Virginia Planning District Commission
7309 Arlington Boulevard
Falls Church, Virginia 22040

John W. Epling, Executive Director
Martha H. Semmes, Planner
Austin Librach, Director of Regional Resources
(703) 573-2210

Peninsula Planning District Commission
2017 Cunningham Drive
Hampton, Virginia 23666

Henry M. Cochran, Executive Director
(804) 838-4238

Rappahannock Area Development Commission (RADCO)
P. O. Box 863
Fredericksburg, Virginia 22401

Ron Rebman, Executive Director
(703) 373-2890

Richmond Regional Planning District Commission
6 North Sixth Street
Richmond, Virginia 23219

Edward G. Councill, III, Executive Director
(804) 644-8587

Southeastern Virginia Planning District Commission
16 Koger Executive Center
Norfolk, Virginia 23502

Robert F. Foeller, Executive Director
(804) 461-3200

Local Agencies

Accomack County, Office of the Administrator
Accomack, Virginia 23301

C. M. Williams, Jr., County Administrator
(804) 787-4289

Caroline County, Office of the Administrator
P. O. Box 507
Bowling Green, Virginia 22427

L. E. Ayers, County Administrator
(804) 633-5380

Charles City County, Office of the Administrator
P. O. Box 128
Charles City, Virginia 23030

C. Dean Beler, County Administrator
(804) 829-2402

Chesterfield County, Office of the Administrator
Chesterfield County Court House
Chesterfield, Virginia 23832

Nicholas M. Meiszer, County Administrator
(804) 748-1211

Essex County, Office of the Administrator
P. O. Box 1079
Tappahannock, Virginia 22560

G. Winton Sisson, Jr., County Administrator
(804) 443-4331

Fairfax County Board of Supervisors
4100 Chain Bridge Road
Fairfax, Virginia 22030

Robert W. Foreman, Administrative Assistant
(703) 691-2321

Gloucester County, Office of the Administrator
P. O. Box 329
Gloucester, Virginia 23061

William P. Larew, County Administrator
(804) 693-4042

Isle of Wight, Office of the Administrator
Isle of Wight, Virginia 23397

Evelyn Ransdell, Acting County Administrator
(804) 357-3191

James City County, Office of the Administrator
P. O. Box JC
Williamsburg, Virginia 23185

James B. Oliver, Jr., County Administrator
(804) 220-1122

King and Queen County, Office of the Administrator
King and Queen Court House, Virginia 23085

Charles W. Smith, County Administrator
(804) 785-7955

King George County, Office of the Administrator
Box 198
King George, Virginia 22485

Steven T. Foster, County Administrator
(703) 775-9181

King William County, Office of the Administrator
King William County, Virginia 23086

Charles Waddell, County Administrator
(804) 769-2671

Lancaster County Board of Supervisors
Lancaster, Virginia 22503

John E. Ennis, Chairman
(804) 462-1404

Mathews County, Office of the Administrator
Box 868
Mathews, Virginia 23109

William H. Whitley, County Administrator
(804) 725-7171

Middlesex County, Office of the Administrator
Circuit Court
Saluda, Virginia 23149

James C. Southland, County Administrator
Leona Brownley, Clerk
(804) 758-5311

New Kent County, Office of the Administrator
P.O. Box 50
New Kent, Virginia 23124

Royal E. Wood, Acting County Administrator
(804) 966-2764

Northampton County, Office of the Administrator
P.O. Box 66
Eastville, Virginia 23347

R. Keith Bull, County Administrator
(804) 678-5148, 5149

Northumberland County, Office of the Administrator
Heathsville, Virginia 22473

John E. Burton, County Administrator
(804) 580-7666

Prince George County, Office of the Administrator
P.O. Box 68
Prince George, Virginia 23875

R. L. Hedrick, County Administrator
(804) 732-8818

Prince William County Health Department
9301 Lee Avenue
Manassas, Virginia 22110

Richard B. Cantrell, Environmental Health Superintendent
(703) 368-9171 Ext. 301

Richmond County, Office of the Administrator
Warsaw, Virginia 22572

William Pruitt, County Administrator
(804) 333-8681

Stafford County, Office of the Administrator
P. O. Box 348
Stafford, Virginia 22554

N. C. Sharp, County Administrator
(703) 659-4101

Surry County, Office of the Administrator
P. O. Box 65
Surry, Virginia 23883

Carrie G. Gilchrist, Acting County Administrator
(804) 294-3266

Westmoreland County, Office of the Administrator
P. O. Box 467
Montross, Virginia 22520

James J. Heston, County Administrator
(804) 493-8911, Ext. 212

York County, Office of the Administrator
P. O. Box 532
Yorktown, Virginia 23690

Richard E. Bain, County Administrator
(804) 887-5811

4.6 West Virginia

Governor's Office on Economic and Community Development
State Capitol Building
Charleston, West Virginia 25305

Thomas H. Pendleton
(304) 348-2246

Department of Natural Resources
Water Resources Division
1201 Greenbrier Street
Charleston, West Virginia 25311

John H. Hall, Chief
(304) 348-2107

Region VIII Planning and Development Council
(Potomac River Basin)
1 Virginia Avenue
Petersburg, West Virginia 26847

Lawrence Spears
(304) 257-1221

Region IX Planning and Development Council
(Potomac River Basin)
121 W. King Street
Martinsburg, West Virginia 25401

J. R. Hawvermale
(304) 263-1743

State Soil Conservation Committee
State Capitol Building
Charleston, West Virginia 25305

Edward Bumgarner, Executive Secretary
(304) 348-2204

5.0 OTHER AGENCIES AND INSTITUTIONS

5.1 Atlantic States Marine Fisheries Commission
Suite 703
1717 Massachusetts Avenue, N.W.
Washington, D.C. 20036

Irwin M. Alperin, Executive Director
(202) 387-5330

5.2 Chesapeake Research Consortium, Inc.
1419 Forest Drive
Suite 207
Annapolis, Maryland 21403

L. Eugene Cronin, Director
(301) 263-0884

5.3 Marine Science Consortium
P.O. Box 16
Wallops Island, Virginia 23337

Dr. James E. Alexander, Director
(804) 824-5636
Dr. Herb Hays, President
Director, Department of Biology
Shippensburg State College
Shippensburg, Pennsylvania 17253
(717) 532-9121 Ext. 439

5.4 Interstate Commission on the Potomac River Basin
814 East West Towers
4350 East West Highway
Bethesda, Maryland 20014

Paul Eastman, Executive Director
William McCaw, Environmental Engineer
(301) 652-5758

5.5 Potomac River Fisheries Commission
222 Taylor Street
Colonial Beach, Virginia 22443

Robert M. Norris, Jr., Executive Secretary
(804) 224-2923

5.6 Susquehanna River Basin Commission
1721 North Front Street
Harrisburg, Pennsylvania 17102

Robert J. Bielo, Executive Director
Jerry Hollowell, Water Quality Chief
(717) 238-0422

6.0 ENVIRONMENTAL INTEREST ORGANIZATIONS

6.1 Delaware

Delaware Association of Soil and Water
Conservation District Supervisors
Attn: Mr. James R. Stepler, Secretary-Treasurer
14 Clyde Circle
Whitehall, New Castle, Delaware 19720
(302) 328-1674

Delaware Conservation Education Association
Attn: Mr. Verna Price, President of Board of Directors
P.O. Box 45
Dover, Delaware 19901
(302) 674-3153

Delaware Nature Education Center, Inc.
Attn: Mr. Norman G. Wilder, Executive Director
Box 700
Hockessin, Delaware 19707
(302) 239-2334

Delaware Wild Lands, Inc.
Attn: Mr. Edmund H. Harvey, President
5806 Kennett Pike
Wilmington, Delaware 19807
(302) 652-2437

Delaware Wildlife Federation
Attn: Mr. Robert Streets, President
26 Brookside Drive
Wilmington, Delaware 19804
(302) 658-2255

Delmarva Ornithological Society
Attn: Mrs. Marjorie Fencer, Secretary
38 Windflower Drive
Meadowood
Newark, Delaware 19711
(302) 737-1566

Forward Lands, Inc.
Attn: Mr. Clayton M. Hoss, Executive Vice President
810 Blackshire Road
Wilmington, Delaware 19805
(302) 655-2151

6.2 District of Columbia

American the Beautiful Fund
Attn: Mr. Paul Bruce Dowling, Executive Director
219 Shoreham Building
Washington, D. C. 20005
(202) 638-1649

American Committee for International Wildlife Protection
Attn: Dr. Fred Evenden, Secretary-Treasurer
Wildlife Society
7101 Wisconsin Avenue
Bethesda, Maryland 20014
(301) 986-8700

American Public Health Association
Attn: Dr. E. Ellis, President
1015 18th Street, N.W.
Washington, D. C. 20036
(202) 467-5040

American Seafood Distributors Association
Attn: Mr. Arthur H. Frohman, President
Mr. Lee J. Weddig, Executive Secretary
1730 Pennsylvania Avenue, N.W.
Suite 1150
Washington, D. C. 20006
(202) 785-0500

Conservation Foundation
Attn: Mr. William K. Reilly, President
1717 Massachusetts Avenue, N.W.
Third Floor
Washington, D. C. 20036
(202) 797-4300

Friends of the Earth
Attn: Mr. Jeffrey Knight, Legislative Director
620 C. Street, S.E.
Washington, D. C. 20003
(202) 543-4312

National Academy of Sciences/National Research Council
Attn: Dr. Philip Handler, President
2101 Constitution Avenue
Washington, D. C. 20418
(202) 393-8100

National Association of Conservation Districts
Attn: Mr. David G. Unger, Executive Vice President
1025 Vermont Avenue, N.W.
Room 1105
Washington, D.C. 20005
(202) 347-5995

National Capital Area Federation of Garden Clubs, Inc.
Attn: Mrs. Robert J. Westbrook
The National Arboretum
2402 R Street, N.E.
Washington, D.C. 20250
(202) 399-5958

National Fishmeal and Oil Association
Attn: Mr. Thomas E. Reynold, Director
1100 17th Street, N.W.
Washington, D.C. 20036
(202) 785-0227

National Resources Defense Council
Attn: Mr. Richard Ayres, Staff Attorney
Mr. Anthony Roisman, Staff Attorney
Mr. Thomas Stoel, Staff Attorney
917 15th Street, N.W.
Washington, D.C. 20005
(202) 737-5000

Transportation Institute
Attn: Mr. Herbert Brand, President
923 15th Street
Washington, D.C. 20005
(202) 347-2590

Water Pollution Control Federation
Attn: Mr. Robert Canham, Executive Director
2626 Pennsylvania Avenue, N.W.
Washington, D.C. 20037
(202) 337-2500

6.3 Maryland

American Fisheries Society
Attn: Mr. Carl R. Sullivan, Executive Director
5410 Grosvenor Lane
Bethesda, Maryland 20014
(301) 897-8616

American Society of Limnology and Oceanography
Attn: Dr. George Saunders, President
Box 853
Gaithersburg, Maryland 20760
(301) 353-4155

Association of Interpretive Naturalists
International Business Office
Attn: Mr. Robert L. Young, President
Ms. Susan V. Allen, Secretary-Treasurer
6700 Needwood Road
Derwood, Maryland 20855
(301) 948-8844

Atlantic Estuarine Research Federation
Attn: Dr. Betty Bauereis, President
Baltimore Gas and Electric Company
Gas and Electric Building
Room 1020
Baltimore, Maryland 21203
(301) 234-6533

Audubon Naturalist Society
Attn: Mr. Robert Lavell, Director
8940 Jones Mill Road
Chevy Chase, Maryland 20015
(301) 652-9188

Audubon Naturalist Society
Attn: Mr. Charles D. Williams, President
Prince George's Chapter
Box 693
Bowie, Maryland 20715
(301) 773-4699

Audubon Naturalist Society
Southern Maryland Chapter
Route 1
Box 138X
Newburg, Maryland 20664

Baltimore Environmental Center
Attn: Ms. Jan Walker
33 East 25th Street
Baltimore, Maryland 21218
(301) 366-2070

Chesapeake Association
Attn: Mr. Robert Eagen
Maryland Environmental Service
60 West Street
Room 304
Annapolis, Maryland 21401
(301) 269-2916

Chesapeake Bay Center for Environmental Studies
Attn: Dr. Kevin Sullivan, Director
Route 4
Box 622
Edgewater, Maryland 21037
(301) 798-4424

Chesapeake Bay Foundation, Inc.
Attn: Mr. Arthur Sherwood, Director
"The Church"
Box 1709
Annapolis, Maryland 21404
(301) 268-8816

Chesapeake Bay Seafood Association
Attn: Mr. Robert Prier, Executive Director
Box 1034
Easton, Maryland 21601
(301) 822-1440

Citizens Coalition for Saint Marys County
Attn: Mr. Jack F. Witten
Box 495
Lexington Park, Maryland 20653
(301) 373-5445

Citizens Program for the Chesapeake Bay, Inc.
Attn: Mr. Jeremiah Valliant, President
P. O. Box 215
Oxford, Maryland 21654
(301) 226-5546

The Conference of Federal Environmental Engineers
Attn: Mr. James LeVan, Secretary-Treasurer
3911 Parsons Road
Chevy Chase, Maryland 20015
(301) 654-3522

Conservation Education Council of Maryland
Attn: Mrs. Louise C. Rymer, Chairman
Post Office Drawer 120
Upper Marlboro, Maryland 20870
(301) 535-1602

Delmarva Advisory Council
Attn: Mr. Henry B. Stone, Staff Officer
One Plaza East
P. O. Box 711
Suite 700
Salisbury, Maryland 21801
(301) 742-9271

Harford County League of Women Voters
Attn: Mrs. Eileen Rehrmann, President
YWCA Building
2023 Emorton Road
Bel Air, Maryland 21014
(301) 838-0070

Izaak Walton League of America, Inc.
Maryland Division
Attn: Mr. John Andervont, President
106 Rolling Road
Gaithersburg, Maryland 20760
(301) 926-4969

Izaak Walton League of America, Inc.
Rockville Chapter
Attn: Mr. R. E. Montgomery, Treasurer
13513 Cleveland Drive
Rockville, Maryland 20850
(301) 340-9350

Junior League of Baltimore
Attn: Mrs. Sylvia Eggleston, President
4803 Roland Avenue
Baltimore, Maryland 21210
(301) 467-0260

League of Women Voters of Maryland
Attn: Mrs. Lois Stoner, President
5 State Circle
Annapolis, Maryland 21401
(301) 269-0232

League of Women Voters of Montgomery County
Attn: Ms. Gloria Gerecht, Natural Resources Director
1109 Ruppert Road
Silver Spring, Maryland 20903
(301) 593-2319

Lundeberg School of Seamanship
Attn: Mr. John Dotterer, Supervisor of Maintenance
Piney Point, Maryland 20674
(301) 994-0010

Maryland Association of Soil Conservation Districts, Inc.
Attn: Mr. William Sutton, President
Parole Plaza Office Building
Annapolis, Maryland 21401
(301) 269-2338

Maryland Boat Act Advisory Committee
Attn: Mr. Alvin Simon, Chairman
1222 1st Street, N.E.
Washington, D.C. 20002
(202) 737-2851

Maryland Environmental Trust
Attn: Mr. David Porter Miller, Executive Director
501 St. Paul Place
Suite 1401
Baltimore, Maryland 21202
(301) 383-4264

Junior League of Baltimore
Attn: Mrs. Sylvia Eggleston, President
4803 Roland Avenue
Baltimore, Maryland 21210
(301) 467-0260

League of Women Voters of Maryland
Attn: Mrs. Lois Stoner, President
5 State Circle
Annapolis, Maryland 21401
(301) 269-0232

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Attn: Ms. Gloria Gerecht, Natural Resources Director
1109 Ruppert Road
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(301) 593-2319

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Attn: Mr. John Dotterer, Supervisor of Maintenance
Piney Point, Maryland 20674
(301) 994-0010

Maryland Association of Soil Conservation Districts, Inc.
Attn: Mr. William Sutton, President
Parole Plaza Office Building
Annapolis, Maryland 21401
(301) 269-2338

Maryland Boat Act Advisory Committee
Attn: Mr. Alvin Simon, Chairman
1222 1st Street, N.E.
Washington, D.C. 20002
(202) 737-2851

Maryland Environmental Trust
Attn: Mr. David Porter Miller, Executive Director
501 St. Paul Place
Suite 1401
Baltimore, Maryland 21202
(301) 383-4264

Upper Chesapeake Watershed Association
Attn: Mr. Herbert H. Ward, III, President
Route 1, Box 1018
Elkton, Maryland 21921
(301) 398-2273

Watermans Association, Inc.
Attn: Mr. Larry Simms, President
48 Maryland Avenue
Annapolis, Maryland 21401
(301) 268-7722

Worcester Environmental Trust
Attn: Mr. Joseph W. Fehrer, Chairman
110 West Federal Street
Snow Hill, Maryland 21863
(301) 632-2640

6.4 Pennsylvania

American Institute of Medical Climatology
Attn: Dr. Helmut Landsberg, President
1023 Welsh Road
Philadelphia, Pennsylvania 19115
(215) 673-8368

Citizens Advisory Council
Department of Environmental Resources
Attn: Mr. Thomas McCloskey, Executive Director
P. O. Box 2357
Room 816, Executive House
Harrisburg, Pennsylvania 17120
(717) 787-4527

Izaak Walton League of America, Inc.
Pennsylvania Division
Attn: Mr. Melvin Breakiron
712 Morgantown Street
Uniontown, Pennsylvania 15401
(412) 438-1774

Pennsylvania Association of Conservation
District Directors, Inc.
Attn: Mr. Arthur Wilson, President
R. D. 3
Volant, Pennsylvania 16156
(412) 946-8019

Pennsylvania Environmental Council, Inc.
Attn: Mr. Curtin Windsor, President
225 South 15th Street
Philadelphia, Pennsylvania 19102
(215) 735-0966

Pennsylvania Federation of Sportsmen's Clubs,Inc.
Attn: Mr. George C. Greller, Secretary
427 Iroquois Street
Lester, Pennsylvania 19117
(215) 521-3738

The Pennsylvania Forestry Association
Attn: Mr. Robert V. Clark, Executive Director
5221 East Simpson Street
Mechanicsburg, Pennsylvania 17055
(717) 766-5371

Pennsylvania Roadside Council, Inc.
34 Palmers Mill Road
Media, Pennsylvania 19063
(215) 356-0539

Water Pollution Control Federation
Pennsylvania Chapter
Attn: Mr. Glenn A. Marburger, Secretary
Box 20
Locust Grove, Virginia 22508
(703) 825-2760

Western Pennsylvania Conservancy
Attn: Mr. Joshua C. Whetzel, Jr., President
316 4th Avenue
Pittsburg, Pennsylvania 15222
(412) 288-2777

6.5 Virginia

American Water Resources Association
The National Capital Section
Attn: Mr. James T. McBroom, President
1145 Bellview Road
McLean, Virginia 22101
(703) 759-2754

Audubon Naturalist Society
Cape Henry Chapter
Attn: Mr. Robert Tripician, President
4529 Biscayne Drive
Virginia Beach, Virginia 23455
(804) 464-0430

Audubon Naturalist Society
Northern Neck Chapter
Attn: Mr. Ned L. Williams, President
Box 991
Kilmarnock, Virginia 22482
(804) 435-6469

Audubon Naturalist Society
Virginia Beach Chapter
Attn: Mr. Maurice Jackson, President
1125 Vitchley Road
Virginia Beach, Virginia 23451
(804) 428-1470

Center for Environmental Strategy
Attn: Ms. Marion Agnew, Director
1740 Dumbarton Street
McLean, Virginia 22101
(703) 538-5688

Chesapeake Bay Foundation
Yorktown Chapter
Attn: Mr. Haydon Ross-Counis, President
Box 643
Yorktown, Virginia 23690

Citizens Program for the Chesapeake Bay, Inc.
Attn: Dr. Charles W. Coale, Jr.
Virginia Polytechnic Institute and State University
Hutcheson Hall
Blacksburg, Virginia 24061
(703) 951-5562

Citizens Program for the Chesapeake Bay, Inc.
Attn: Mr. George Hagerman, Director
EPA Participation
5 East Queens Street
Hampton, Virginia 23669
(804) 722-0774

Conservation Council of Virginia Foundation
Attn: Mr. Lee Carlyle, President
2317 Westwood Avenue
Richmond, Virginia 23230

Conservation Council of Virginia, Inc.
Attn: Mrs. Louise Burke, Executive Director
2317 Westwood Avenue
Room 205
Richmond, Virginia 23230
(804) 272-6393

Robert Hicks, President
(804) 359-4324

Conservation Council of Virginia, Inc.
Attn: Mrs. Memory Porter, Water Resource Chairman
3909 Aldie Road
Cartharpin, Virginia 22018

The Estuarine Research Federation
Attn: Dr. Michael Castagna, President
Eastern Shore Laboratory
Wachapreague, Virginia 23480
(804) 787-3280

Izaak Walton League of America
Virginia Division
Attn: Mr. Britton, President
2470 Mount Olive Road
Centerville, Virginia 22020
(703) 830-8917

Junior League of Hampton Roads
Environmental Task Force
Attn: Ms. Anne A. Chisman
20 Wheatland Drive
Hampton, Virginia 23666
(804) 838-5558

Junior League of Norfolk-Virginia Beach
Attn: Mrs. James Rinehart
420 Bank Street
Norfolk, Virginia 23510
(804) 623-7270

Junior League of Washington
Attn: Mrs. Betty Jane Gerber
1309 Ballantrae Court
McLean, Virginia 22101
(703) 356-8194

National Wildlife Federation
Attn: Mr. J. A. Brownridge, Administrative Vice President
8925 Leesburg Pike
Vienna, Virginia 22180
(703) 790-4000

The Nature Conservancy
Virginia Chapter
Attn: Dr. John L. McKnight
701 College Terrace
Williamsburg, Virginia 23185
(804) 253-4000

Norfolk-Virginia Beach League of Women Voters
Attn: Ms. Elizabeth G. Johnson, Environmental Chairman
107 69th Street
Virginia Beach, Virginia 23451
(804) 622-9066

Northern Virginia Conservation Council
Attn: Mr. Thomas Gause
Box 304
Annandale, Virginia 22003
(703) 941-5321

Resource-Use Education Council
Attn: Mr. Paul A. Shrauder, Chairman
c/o Jefferson National Forest
210 Franklin Road S. W.
Roanoke, Virginia 24011
(703) 982-6274

Virginia Agribusiness Council
Attn: Mr. J. Paul Williams, Executive Director
1001 East Main
Richmond, Virginia 23219
(804) 643-3555

Virginia Association of Soil and Water
Conservation Districts
Attn: Mr. J. Royall Robertson
830 East Main Street
Suite 800
Richmond, Virginia 23219
(804) 786-2065

Virginia Forestry Association
Attn: Mr. Charles F. Finley, Jr., Executive Director
One North 5th Street
Richmond, Virginia 23219
(804) 644-8462

Virginia Seafood Council
Attn: Ms. Sally Cope, Executive Director
P. O. Box 188
Newport News, Virginia 23607
(804) 247-6681

Virginia Society of Ornithology
Attn: Dr. J. J. Murray, President
University of Virginia
Department of Biology
Charlottesville, Virginia 22903
(804) 924-7868

The Virginia Water Pollution Control Association
Attn: Mr. L. H. Roden, Jr., Secretary-Treasurer
8207 Franconia Road
Richmond, Virginia 23227
(804) 266-6415

6.6 West Virginia

Appalachian Trail Conference
Attn: Mr. Henry Lautz, Executive Director
Box 236
Harpers Ferry, West Virginia 25425
(304) 535-6331

Nature Conservancy
West Virginia Chapter
Attn: Mrs. Eleanor Bush, Chairman
5 Bush Avenue
Philippi, West Virginia 26416
(304) 457-3460

Water Pollution Control Federation
Attn: Mr. Glen O. Fortney, Secretary
State Department of Health
Charleston, West Virginia 25305
(304) 348-2981

West Virginia Soil and Water
Conservation District Supervisors Association, Inc.
Attn: Mr. George R. Heidrich, President
Charles Town, West Virginia 25414
(304) 725-7942

West Virginia Wildlife Federation
Attn: Mr. Nick Wright, President
Box 561
Mason, West Virginia 25260

6.7 Other Location

Outdoor Writers Association of America, Inc.
Attn: Mr. Ed Hanson, Executive Director
4141 West Bradley Road
Milwaukee, Wisconsin 53209
(414) 354-9690

7.0 ENVIRONMENTAL CONSULTING ORGANIZATIONS

7.1 Delaware

Brandt Associates, Inc.
Attn: Mr. Karl Brand
50 Blue Hen Drive
Newark, Delaware 19713
(302) 731-1550

E. I. du Pont de Nemours and Company
Attn: Mr. Clifton Cooke
Chemical Dyes and Pigments Section
13250 Brandywine Building
Wilmington, Delaware 19898
(302) 999-3912

Ichthyological Associates
Attn: Mr. Victor Schuler, Vice President and Project Leader
100 South Cass Street
Middletown, Delaware 19709
(302) 378-9881

Dr. Vytautas Klemas, Professional Consultant
College of Marine Studies, University of Delaware
Newark, Delaware 19711
(302) 738-1212

Rollins Environmental Services
Attn: Mr. William B. Phillipbar, Jr., President
One Rollins Plaza
Wilmington, Delaware 19899
(302) 658-8541

7.2 District of Columbia

Dames and Moore
Attn: Dr. Harch Singh
7101 Wisconsin Avenue
Suite 700
Washington, D.C. 20014
(202) 652-2215

Data Resource, Inc.
Attn: Mr. Joseph E. Kasputys, Vice President
1750 K Street, N.W.
9th Floor
Washington, D.C. 20006
(202) 862-3700

Ernst and Ernst
Attn: Mr. W. J. Leininger
1225 Connecticut Avenue, N.W.
Washington, D.C. 20036
(202) 296-8300

Arthur H. Fawcett, Jr., Consultant
Urban and Regional Planning
2900 M Street, N.W.
Washington, D.C. 20007
(202) 337-3103

Bernard D. Gross and Associates
Attn: Mr. Bernard Gross
3202 38th Street, N.W.
Washington, D.C. 20016
(202) 244-5566

Henningson, Durham, and Richardson
Attn: Mr. Algis Lukas, Executive Vice President
5454 Wisconsin Avenue
Suite 1345
Washington, D.C. 20015
(301) 657-1780

Ralph M. Parsons Company
Attn: Mr. Alan Duncan, Project Manager
1101 15th Street, N.W.
Washington, D.C. 20005
(202) 331-0777

Planning Consultant
Attn: Mr. Harold F. Wise
1200 18th Street, N.W.
Washington, D.C. 20036
(202) 872-1422

Rand Corporation
2100 M Street, N.W.
Washington, D.C. 20037
(202) 296-5000

Raymond, Parish, Pine and Plavnick
Attn: Mr. Robert L. Plavnick
Suite 800, Denrike Building
1010 Vermont Avenue, N.W.
Washington, D.C. 20005
(202) 783-2924

Tischler, Marcou and Associates
1000 Vermont Avenue, N.W.
Washington, D.C. 20005
(202) 638-4446

The Urban Institute
Attn: Mr. Thomas Muller
2100 M Street, N.W.
Washington, D.C. 20037
(202) 223-1950

Wapora
Attn: Mr. Jack Bregman, President
6900 Wisconsin Avenue, N.W.
Washington, D.C. 20015
(301) 652-9520

7.3 Maryland

Armiger, Chaffin and Associates, Inc.
Attn: Mr. L. Earl Armiger
1000 Century Plaza
Columbia, Maryland 21044
(301) 596-6922

Baltimore Transportation Associates
Attn: Mr. Donald J. Wise, Vice President
P. O. Box 8657
Baltimore-Washington International Airport
Baltimore, Maryland 21240
(301) 796-0208

Arthur Beard Engineers, Inc.
Attn: Mr. Gary Nickerson, Vice President
6900 Wisconsin Avenue
Room 707
Chevy Chase, Maryland 20015
(301) 657-3660

Bechtel Corporation
Attn: Mr. Clyde Bald
15740 Shady Grove Road
Gaithersburg, Maryland 20760
(301) 948-2700 Extension 2483

Biospherics, Inc.
Attn: Mrs. Margaret Federline, Laboratory Manager
4928 Wyaconda Road
Rockville, Maryland 20852
(301) 770-7700

Booz, Allan and Hamilton
Attn: Mr. R. Michael McCullouth, President
4330 East West Highway
Bethesda, Maryland 20014
(301) 951-2200

Cadcom, Inc.
Attn: Dr. Charles O. Heller, President
107 Ridgely Avenue
Annapolis, Maryland 21401
(301) 268-9010

Century Engineering, Inc.
Attn: Mr. Herbert R. Plitt, President
32 West Road
Towson, Maryland 21204
(301) 823-8070

Crockett Associates, Consulting Engineers
Attn: Mr. James E. Crockett, President
2616 Maryland Avenue
Baltimore, Maryland 21218
(301) 467-2941

Dalton, Dalton, Little and Newport
Attn: Mr. Richard P. Newport
Air Rights Building, Suite 800 West
7315 Wisconsin Avenue
Bethesda, Maryland 20014
(301) 657-4556

Dewberry, Nealon and Davis
Attn: Mr. Robert DiAiso
650 Governor Ritchie Highway
Severna Park, Maryland 21146
(301) 544-0110

Ecological Analysts, Inc.
Attn: Dr. Loren D. Jensen, President
500 York Building
Maryland Executive Park
8600 La Salle Road
Towson, Maryland 21204
(301) 321-8500

Ecosometrics Incorporated
Attn: Mr. Armando Lago
4715 Cardell Avenue
Bethesda, Maryland 20014
(301) 652-2414

Enviro-Control, Inc.
Attn: Mr. Donald McArthur, President
1 Central Plaza
11300 Rockville Pike
Rockville, Maryland 20852
(301) 468-2500

Environmental Concern, Inc.
Attn: Dr. Edgar W. Garbisch, President
P.O. Box P
St. Michaels, Maryland 21663
(301) 745-9620

GEOMET Inc.
Attn: Mr. Jack Swift, Vice President
15 Firstfield Road
Gaithersburg, Maryland 20760
(301) 948-0755

Hittman Associates, Inc.
Attn: Mr. Burton Becker
9190 Red Branch Road
Columbia, Maryland 21045
(301) 730-7800

IBM, Federal Systems Division
Attn: Ms. Patricia A. Van Sciver, Location 2A48
18100 Frederick Pike
Gaithersburg, Maryland 20760
(301) 840-0111

Insect Control and Research, Inc.
Attn: Dr. Eugene Gerberg, Director
1330 Dillon Heights Avenue
Baltimore, Maryland 21228
(301) 747-4502

Felipe Lebron, Consultant
1125 Longbrook Road
Lutherville, Maryland 21093
(301) 296-0147

Lyon Associates, Inc.
Attn: Mr. Frederick Everhardt
6707 Whitestone Road
Baltimore, Maryland 21207
(301) 944-9112

Martin Marietta Laboratory
Environmental Technology Center
Attn: Dr. Albert Westwood, Director
1450 South Rolling Road
Baltimore, Maryland 21227
(301) 247-0700

Academy of Natural Sciences of Philadelphia
Benedict Estuarine Research Laboratory
Attn: Dr. Lewis Sage, Director
Benedict, Maryland 20612
(301) 274-3134

NUS Corporation
Attn: Mr. Joseph Dinunno, Vice President
4 Research Place
Rockville, Maryland 20850
(301) 948-7010

Sheppard T. Powell, Associates
Attn: Dr. Hilary Bacon, President
31 Light Street, 4th Floor
Baltimore, Maryland 21202
(301) 685-3210

Rummel, Klepper and Kahl
Attn: Mr. Eric K. Weber
1035 North Calvert Street
Baltimore, Maryland 21202
(301) 621-1339

Kamber Engineering, Inc.
Attn: Mr. Dennis Kamber, President
2301 Research Boulevard
Rockville, Maryland 20850
(301) 840-1030

Trident Engineering Associates, Inc.
Attn: Mr. Mitchell A. Kapland, Chairman
48 Maryland Avenue
Annapolis, Maryland 21401
(301) 267-8128

Urban Pathfinders, Inc.
Attn: Mr. William H. Small
Box 8642
Baltimore/Washington International Airport
Baltimore, Maryland 21240
(301) 796-0880

David Volkert and Associates
Attn: Mr. Frederick M. Heider, Chief
Environmental Division
4701 Sangamore Road
Bethesda, Maryland 20016
(301) 320-3100

Westinghouse Electric Corporation
Westinghouse Ocean Research Laboratory
Attn: Mr. Morris Macovsky, General Manager
Box 1488
Annapolis, Maryland 21404
(301) 765-1000

Whitman, Requardt and Associates
Attn: Mr. William F. Neale
1304 St. Paul Street
Baltimore, Maryland 21202
(301) 727-3450

Zapata Haynie Corporation
Attn: Mr. William C. Lunsford, Jr., Public Relations
685 Oxford Building
8600 La Salle Road
Towson, Maryland 21204
(301) 828-0001

7.4 Pennsylvania

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8.0 LITERATURE CITED

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